

ANISHA JADHAV

San Jose, California

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PROFESSIONAL SUMMARY

Dynamic applied AI/ML researcher and data analyst with experience in machine learning, deep learning, data engineering, and full-stack software development. Published author with multiple IEEE-indexed conference papers and forthcoming journal articles in areas including neural architectures, transfer learning, medical imaging, and LLM-driven automation. Skilled in building scalable data pipelines, developing predictive models, optimizing SQL and ETL workflows, and implementing cloud-based automation. Committed to advancing graduate-level research in machine learning, intelligent systems, and applied computer science.

EDUCATION

California State University, Monterey Bay

Aug 2021 - May 2023

Bachelor of Science in Computer Science | Dual concentration: Data Science, Software Engineering

California, USA

- GPA: 3.89 / 4.00
- Graduation Honors: Magna Cum Laude, Gold Honor Cords
- Dean's List: Fall 2021, Fall 2022
- International Transfer Student (in Junior Year) - Fall 2021

Relevant Coursework: Intro to Data Science, Advanced Machine Learning, Data Structures & Algorithms, Software Design, Software Engineering, Computer Architecture, Python Programming, DBMS, Computer Networks, Multimedia Design

Scholarships and Awards:

- CSUMB - Monterey Rotary Club Educational Scholarship 2023 for outstanding academic excellence.
- Honored with an Art Award at the CSUMB President's Investiture Ceremony, with artwork permanently displayed in the University Administration Building.
- Represented the university at the 2022 International Collegiate Programming Contest PacNW Div. 2 Regional Contest.
- Nominated by 5+ CSUMB faculty for both prestigious awards—the President's and Provost's Award for Exemplary Student Achievement and recognized by the CSUMB President at the graduation ceremony as one of only three international students honored for excellence in academics, leadership, arts, community service, and programming.
- Selected as one of the top scholars from 1,000+ students across all departments for the CSUMB - Rotary Mentor Program, receiving 1:1 mentorship from Dr. Kamath (CSUMB Dean Emeritus, College of Business) and an industry professional, Mr. Adam Hughes (MBS Business Systems), to accelerate academic growth, leadership, and professional development.
- Chosen as a CTI-Accelerate Scholar in a highly competitive statewide program funded by California's \$10M Computing Talent Initiative, working under the mentorship of Dr. Satya Narayan and Dr. Walimuni to strengthen advanced technical foundations through structured training in programming and applied computer science.

Vidyalankar School of Information Technology | University of Mumbai, India

July 2019 - July 2021

Bachelor of Science in Computer Science | Dual concentration: Data Science, Software Engineering

Mumbai, India

- Transfer GPA: 4.00/ 4.00

Relevant Coursework: Core Java, Calculus I, II, Object-Oriented Programming, Discrete Mathematics, Web Programming, Computer-Oriented Statistical, Graphics Programming, Intro to Embedded Systems, Digital Electronics, Operating Systems

RESEARCH AND PUBLICATIONS

Published Research Conference Papers:

1. **A. A. Jadhav**, "Evaluation of Transfer Learning for Visual Multiple Target Tracking," 2025 First International Conference on Advances in Computer Science, Electrical, Electronics, and Communication Technologies (CE2CT), Bhimtal, Nainital, India, 2025, pp. 144-150, doi: 10.1109/CE2CT64011.2025.10939327. | [\(Link\)](#)
2. **A. A. Jadhav** and P. S. Pisal, "Harnessing Kernel Tricks for Nonlinear Problem Solving: SVM Applications," 2025 5th International Conference on Innovative Research in Applied Science, Engineering and Technology (IRASET), Fez, Morocco, 2025, pp. 1-7, doi: 10.1109/IRASET64571.2025.11007960. | [\(Link\)](#)
3. **A. A. Jadhav**, J. Kishore, B. P. Joshi and S. Goyal, "Classification of Traffic Pattern and Estimation of Traffic Speed Using Recurrent Neural Network in Smart Cities," 2025 2nd International Conference On Multidisciplinary Research and Innovations in Engineering (MRIE), Gurugram, India, 2025, pp. 710-715, doi: 10.1109/MRIE66930.2025.11156248. | [\(Link\)](#)

4. S. Kumar, **A. A. Jadhav**, R. Kumar, Kaushal, R.B. Babu, "Deep Learning-driven Fault Detection in EV Powertrain Components." 2025 2nd International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS), Bangalore, India, 2025, pp. 1-7, doi: 10.1109/ICCAMS65118.2025.11234544. | [\(Link\)](#)
5. **A. A. Jadhav**, C. Puligundla, S. R. Chigurupati, P. Jalan, S. Bhogavalli, "SPX: A Novel LLM-Based Framework for Explaining and Estimating User Story Points." IEEE 3rd International Conference on Artificial Intelligence, Blockchain, and Internet of Things (AIBThings 2025), Mount Pleasant, Michigan, USA, 2025, pp. 1-5, doi: 10.1109/AIBThings66987.2025.11296255. | [\(Link\)](#)
6. P. S. Pisal, N. Gupta, R. R. Ambavaram, **A. A. Jadhav**, P. K. R. Mahendran, "CodeProphet: A Predictive LLM-Based Framework for Proactive Software Development Planning." IEEE 3rd International Conference on Artificial Intelligence, Blockchain, and Internet of Things (AIBThings 2025), Mount Pleasant, Michigan, USA, 2025, pp. 1-5, doi: 10.1109/AIBThings66987.2025.11296271. | [\(Link\)](#)
7. **A. A. Jadhav**, J. Kishore, Dr. B.P. Joshi, S.Goyal, "Fault diagnosis using wavelet-based denoising integrated with neural networks: A signal processing informed neural network framework." International Conference on Sustainability, Innovation & Technology (ICSIT 2025), Nagpur, Maharashtra, India, 2025, pp. 1-6, doi: 10.1109/ICSIT65336.2025.11295472. | [\(Link\)](#)
8. S. Goyal, **A. A. Jadhav**, P. N. Raj, M. Prajapati and S. Gururani, "Hill Climbing MPPT Algorithm with Buck Booster Converter in Solar Power System," 2025 7th International Conference on Information Systems and Computer Networks (ISCON 2025), Mathura, India, 2025, pp. 1-4, doi: 10.1109/ISCON65210.2025.11340881. | [\(Link\)](#)

Forthcoming Conference Publications:

9. **A. A. Jadhav**, "AI-Enhanced Pediatric Pneumonia Classification," 2nd International Conference on Artificial Intelligence, Machine Learning & Intelligent Systems (ICAMS 2025), NIT Hamirpur, Himachal Pradesh, India, 2025

Research Journal Papers: Currently Under Review:

- P. S. Pisal, **A. A. Jadhav**, "Enhancing Brain Tumor Diagnosis with Ensemble Deep Learning and Optimizer Tuning on MRI Data" – Currently Under Final Review @Scientific Reports (by Springer Nature)
- P. S. Pisal, **A. A. Jadhav**, "Experimental Study on Diagnostic Accuracy of Dental X-Ray Investigations Using Deep Learning" – Manuscript Accepted @IEEE Access; Revision Request; Currently Authors Revising the Manuscript
- **A. A. Jadhav**, J. Kishore, Dr. B. P. Joshi, "Design of h-CNN-RNN-ANFIS controller for the detection and classification of heart abnormalities" – Currently Under Review @Scientific Reports (by Springer Nature)

RESEARCH INTERNSHIP

Research Intern | ThinkNeuro Fall 2024 Bibliometrics Research Internship | Remote Aug 2024 – Dec 2024

- **Bibliometric Research and Trend Mapping:** Conducted large-scale bibliometric analysis of AI-driven neuroprosthetic spinal cord stimulation systems, identifying global research output, emerging computational methodologies, influential authors, and multidisciplinary collaboration patterns.

PROFESSIONAL SERVICE - PEER REVIEWER, JUDGE

- Reviewed 32 papers for Computational and Experimental Approaches in Communication Technologies (CE2CT 2025)
- Reviewed 6 papers for ACM SIGCSE Technical Symposium 2026 (ACM SIGCSE TS)
- Reviewed 2 papers for Latinx in AI at the NeurIPS Workshop (LXAI-NeurIPS 2025)
- Reviewed 1 paper for Efficient Reasoning at the NeurIPS Workshop (ER-NeurIPS 2025)
- Reviewed 1 paper for Interdisciplinary Biomedical Research and Learning Conference (IBRL) at the Responsible Learning Conference (IBRL @RLC 2025)
- Reviewed 1 paper for AI for Mathematics (AI4Math) Workshop at the International Conference on Machine Learning (AI4Math @ICML 2025)
- Served as Judge for the NASA - GL4HS 2025 Capstone Virtual Symposium, reviewing 10+ high-school student teams' research-hypothesis presentations

WORK EXPERIENCE

Finance Data Analyst | Goodwill of Silicon Valley, CA Dec 2023 - Present

- * Led the successful migration of **4K+** datasets comprising millions of records, dashboards, and KPIs in **DOMO**, ensuring seamless integration with data sources like Oracle NetSuite, Microsoft Excel, SharePoint, SQL server, and more.
- * Automated & resolved complex SQL queries & KPI issues, and conducted data validation, enhancing accuracy to **98%**.
- * Spearheaded automation initiatives, including a compliance task-tracking system with automated email reminders, improving task management across **10+** teams by **95%**.

- * Analyzed financial/operational data, built strategic plans, and **deployed 100+ real-time interactive KPI dashboards** with dynamic filters, boosting decision-making efficiency by 70%.
- * Reduced **39K** data credits to **12K** across all DOMO data instances, and improved data governance by defining and enforcing best practices for data quality, security, and compliance, reducing inconsistencies in data reports by 30% and ensuring regulatory adherence, while also supporting database optimization.
- * Presented complex data-driven, actionable insights to key stakeholders, including senior executives.
- * Designed & delivered comprehensive training programs and presentations, driving 80% increase in user engagement.

Software Engineer Intern | CodeDay, CA

Jan 2023 – Feb 2023

- * Contributed to the open-source group project of FreeCodeCamp Classroom, supporting a **40k+ users** large community.
- * Spearheaded the development and optimization of a teacher profile page with **Next.js**, successfully refactored key files, and achieved a notable **10% enhancement** in user experience through effective collaborative teamwork.

PROJECTS AND CAPSTONE

Power to the People: Lumos | CSUMB Spring 2023 Capstone | Software Development

April 2023

- * Designed and developed a user-friendly Android application that connects local communities to share essential resources such as generators, food, and shelter during power outages, promoting resilience and mutual aid.
- * Implemented real-time location-based matching and resource status updates, ensuring users could quickly find and offer help, reducing response time in emergencies.

Face Generation: What's Under the Mask | Python, Google Colab | Machine Learning | [Link](#)

Dec 2022

- * Analyzed **200k CelebA images** and developed new masked image dataset by extracting facial landmark data.
- * Implemented a **GAN model** using **Deep Learning techniques** for accurate mask object detection and image generation, achieving **90% accuracy** in distinguishing real/fake images. Libraries: **Matplotlib, Seaborn, TensorFlow, Keras**

Prediction of bike-share users per hour | Python, Google Colab | Data Science | [Link](#)

Dec 2021

- * Processed and engineered 17k+ records to predict Capital Bikeshare rentals/hr with 76% accuracy, performing end-to-end preparation, exploration, cleaning, preprocessing, visualization, and model development.
- * Identified KNN regression as the best performing model for rental prediction, outperforming alternatives in capturing patterns tied to time and weather severity.

LEADERSHIP AND INITIATIVES

Conference Volunteer Chair - Committee Team Member | ISTAS 2025 IEEE Conference | [Link](#) Aug 2025 - Sept 2025

- * Led a team of 20+ volunteers, organized training sessions, orientation, created schedules, and oversaw registration, schedule plans, session assistance, and on-site logistics. Conference ran smoothly with zero complaints. Completed 100+ hours of volunteering service.

IEEE Member | Institute of Electrical and Electronics Engineers (IEEE)

Jan 2025 - Present

- Active Member of IEEE, contributing to multiple technical committees.
- Participate in discussions, workshops, and initiatives to advance knowledge in robotics, AI, and automation technologies.
- Collaborate with peers and professionals on projects and technical guidance within the IEEE community, also participating in volunteer activities supporting and promoting innovation and community engagement.

Secretary - Executive Board of Directors | CSUMB Otter Student Union (OSU) Board

June 2022 - June 2023

- Recorded, organized, and maintained precise board meeting minutes, ensuring clear documentation of all decisions, actions, and discussions for official governance records.
- Coordinated board operations by preparing agendas, managing documentation, and supporting smooth, structured meetings for the Otter Student Union Board of Directors.

Member | CSUMB Programming Team

Sept 2022 - March 2023

- Selected as the only female member of the CSUMB Programming Team (2022), contributing to structured training, mock contests, and collaborative problem-solving.

Art Committee Member | CSUMB Otter Student Union (OSU) Board of Directors

June 2022 - June 2023

- Curated events and supported campus-wide art initiatives through planning, coordination, and community engagement.

Game Development Club Member | CSUMB Game Development Club

June 2022 - June 2023

- Participated in collaborative game development projects; contributed to club events and workshops.

VOLUNTEERING AND COMMUNITY ENGAGEMENT EXPERIENCE

Technical Volunteering:

Software Developer | Partners for Peace, CA

Sept 2022 – Dec 2022

- Designed, developed, and deployed key features for the organization's web and mobile platforms, enhancing overall usability and functionality.
- Implemented secure authentication, improved UI navigation, and optimized backend workflows, resulting in faster load times and increased user engagement.

Computer Science Mentor | Girl Scouts of California's Central Coast, CA

Jan 2022 – May 2022

- Conducted hands-on coding workshops, teaching Python, SQL, and Excel while strengthening STEM foundations and practical problem-solving skills.
- Designed interactive badge workshops, activities, and quizzes, teaching them through engaging, team-based exercises that built confidence in technology.

Non-Technical Volunteering:

Arts Supply Distribution and Event Support | Viva CalleSJ x Local Color 2025

June 2025

- Managed distribution of craft materials and maintained organized, engaging creative stations for participants.
- Supported event facilitators in community engagement, ensuring a positive and interactive experience for all attendees.

Event Coordinator | San Francisco International Arts Festival 2025

May 2025

- Assisted with setup, guest guidance, and material distribution for 20–25 attendees, ensuring smooth event operations.
- Supported post-event cleanup and documentation, contributing to overall festival success.

Fundraising Project Volunteer | Rotary Club of Monterey

April 2023

- Assisted in organizing fundraising events by coordinating volunteers, managing logistics, and ensuring smooth execution to support community initiatives.
- Supported outreach and engagement efforts, helping increase participation and maximize donations for the fundraiser.

TECHNICAL AND SOFT SKILLS

- **Data Programming:** MySQL, Python(Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn, Sklearn), R, PL/SQL
- **Software Programming:** Java, HTML/CSS, JavaScript, TypeScript, C, C++, API, MS Power Automate, Git, GitHub
- **Data Science & Machine Learning Skills:** Regression, GridSearchCV, ETL, Classification, Data pre-processing, Data & Analysis, Data Visualization, Neural Networks, Hyperparameter Tuning, Clustering, SVM, GNNs, Ensemble Methods
- **Deep Learning:** TensorFlow, PyTorch, Computer Vision, Convolutional Neural Networks, Keras, LSTM, GRU, Hybrid and Bi-directional models, Natural Language Processing, SGD, Adaptive Moment Estimation (Adam), Adamax, Generative Adversarial Networks (GANs), RNNs, Large Language Models, Prompt Engineering
- **Tools and Technologies:** Google Colab, DOMO, Jupyter Notebook, IntelliJ IDEA, PostgreSQL, Microsoft Power BI, Spyder, AWS, Microsoft Excel, Word, PowerPoint, Visual Studio Code, MySQL Server, DbVisualizer
- **Management Tools:** Microsoft 365 Apps, Microsoft Teams, Jira, Slack, Discord, Trello, Monday, Notion
- **Soft Skills:** Problem-Solving, Data-Driven Decision Making, Cross-functional Collaboration, Critical Thinking

TECHNICAL CERTIFICATIONS

- Supervised Machine Learning: Regression & Classification: Stanford Online, DeepLearning.AI, Coursera | [Link](#) Nov 2025
- Microsoft Certified: Azure Data Scientist Associate | [Link](#) June 2025
- Microsoft Certified: Azure AI Engineer Associate | [Link](#) Feb 2025
- Intermediate iOS Development Course for California State University Monterey Bay and CodePath | [Link](#) May 2023
- CodeDay - Applied Software Developer Open Source Contributor | [Link](#) Feb 2023
- AWS Machine Learning Foundations | [Link](#) Nov 2022
- AWS Machine Learning for Business Challenges | [Link](#) July 2022
- Google Cloud Certified: Big Data and Machine Learning Fundamentals | [Link](#) July 2022
- Kaggle: Intro to Machine Learning | [Link](#) June 2022
- Kaggle: Data Visualization Course | [Link](#) May 2022

EXTRA-CURRICULAR AWARDS AND ACHIEVEMENTS

Academics:

- Best Student + Cash Prize, Higher Secondary State Board Examination (12th) 2017-2018
- Best Student + Cash Prize, Secondary School Certificate Examination (10th) 2015-16
- Earned the Government of Maharashtra High School Scholarship through a highly competitive statewide merit examination, awarded to top academic performers and providing a two-year academic stipend. 2012 - 2013
- Earned the Government of Maharashtra Middle School Scholarship 2009 - 2010

Drawing and Painting:

* International Level:

- Honored with the prestigious "**Ravindra Sanman**" for excellence in the field of arts + Gold Medal for Outstanding Painting @Fragrance of Art Buds - 6th International Youth Art Competition 2014
- **2x** Bronze Medal @International Star Creative Art Competition 2013-14 (Theme Painting & Cartoon Drawing) 2013
- Gold Medal @Fragrance of Art Buds - 5th International Youth Art Competition 2013

* National Level:

- 1st Prize @The Times of India National Drawing Competition (New Delhi, India): among 10K+ contestants 2016
- 1st Prize @Innovation Science Festival; Nehru Science Center (Mumbai Division) 2016
- Silver Medal + Artwork Published with affiliation in the C-DAC National Calendar 2016; @C-DAC Hyderabad Center National Drawing Competition 2015 (Govt. research organization) 2016
- Consolation Prize @The Himanshu Art Institute - National Drawing Competition 2016 (New Delhi, India) 2016
- 2nd Prize @The Hindu Young World - Thyrocare National Painting Competition: among 10K+ contestants. 2016
- Consolation Prize @Indian Army Day - 2016 National Painting Contest; Indian Army Headquarters (India) 2016
- Bronze Medal @Dessin Academy National Painting Contest 2015 (Chennai, India) 2015
- Gold Medal @All India Child Art Competition 2012 2012
- Gold Medal @Kala Children Academy Painting Competition 2010 2010
- Honored with "**Kala Gaurav Award**" for Outstanding Excellence in Arts @Student Development Society 2009

* State Level:

- Gold Medal @Maharashtra Lok Kalyankari Seva Sanstha Drawing Competition 2016 2016
- Gold Medal @Mumbai Metro rail Corporation State Level painting Competition 2016 2016
- First Runner-Up Felicitation for "**Manik Ratna Award 2015-16**". It is the highest institutional student honor; 1 selected among 50K+ students across 14 branches of IES Chandrakant Patkar Vidyalaya school, Maharashtra 2016
- **Recipient of the Government of India – Ministry of Culture Scholarship** (Young Artist) 2015-16
- Nominee of "**Nadkarni Award (2015-16)**" (elite student recognition for academic & extracurricular excellence 2016
- Honored with "**Nabar Guruji Award**" for Outstanding Excellence in the field of Arts @IES Chandrakant Patkar Vidyalaya Headquarters, Maharashtra; Winner among 100K+ students statewide 2015
- Gold Medal @Maharashtra State Foundation Drawing Competition 2015 2015
- **State Rank 1** in Designing + **Merit Rank 38** in the Government of Maharashtra Drawing Grade Examination 2015
- **Gold Medal** @Jawahar Bal Bhavan State-level Art Competition 2015 (Maharashtra, Government of India); interview featured on the National Television of India 2015
- **3x** Gold Medal + **Best Child Artist Award** @Kalasadhana Art Academy State Art Competition 2013-2015
- **3x** 1st Prize + Gold Medal @Sakal Bal Mitra Drawing Competition; Winner amongst 100K+ participants across 3 states (Maharashtra, Goa & Karnataka) for years (2014, 2013, 2011); (major regional newspaper org.) 2011 - 2014

* District Level:

- 1st Prize Winner of **50+** Intra-Collegiate Art Competitions, consistently recognized for artistic excellence 2019 - 2021
- **6x** Gold Medal @Nriyjanjali Art Fest; **consecutive annual champion for 6 years** @District-level 2010 - 2015
- **3x** Gold Medal @Kalavedh Drawing Contest by Sir "**J.J. School of Arts, Mumbai**"; prestigious fine arts institution; consecutive annual champion for 3 years 2014 - 2016
- 1st Prize @IDBI Federal Associate of India - Drawing Competition 2015; (national financial institution) 2015
- Gold Medal + Gift Hampers @Camlin Kokuyo Art Contest 2015 2015
- **Youngest Artist Felicitation** in the Professional Artist Category @Elephanta Art Fest 2015 — Maharashtra State Tourism Ministry event; pre-qualified invitational competition; selected to compete in professional open-age category (25+ artists); artwork exhibited alongside professional artists 2015

Sports:

* National Level:

- **National Gold Medalist** @11th National Floorball Championship 2016 (Greater Noida, Delhi, India); Represented Maharashtra State Team at the National Championship, earning selection through competitive multi-levels, demonstrating elite athletic performance. Dec 2016

* State Level:

- Bronze Medal @Maharashtra State Senior Floorball Championship Dec 2016
- **Gold Medal** @1st Junior (U/17) Maharashtra State Floorball Championship Nov 2016