

Aditya Vinay Ujawane

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Education

Bachelor of Science in Computer Science

Expected Graduation: May 2027

San Diego State University, San Diego, California

Cumulative GPA: 3.6 / 4.0 [Dean's list (All semesters)]

Relevant Courses: Algorithm design, Program development, Object-Oriented Programming, Data Structures and Algorithms, Computer Organization, Software Systems

Technical Skills

Languages: Python, Java, C++, JavaScript, HTML, CSS, SQL, R, MATLAB

Frameworks / Libraries: Spring Boot, PyTorch, TorchVision, Flask, TensorFlow, React

Databases: MySQL, PostgreSQL, MongoDB, Supabase

Tools: Git, IntelliJ, CLion, VS Code, Cursor, Claude Code, RESTful APIs, Docker

Professional Experience

PARES AI, San Francisco, California, USA

July 2025 – October 2025

Software Engineering Intern

- Built and deployed a Python ETL pipeline to automatically process and load 10,000+ CSV records into Supabase (PostgreSQL backend), reducing manual upload time by 88% and minimizing human error.
- Enhanced and optimized the company's CRM web application, implementing 5+ new features resolving bugs, which improved page load speeds by 30% and boosted efficiency in customer management tasks.
- Led Agile sprints using Scrum methodology in collaboration with a 3-person cross-functional team, leveraging SQL, REST APIs, Git-based version control, and CI/CD workflows (GitHub Actions, Docker) and scalable and reliable deployments

San Diego State University, San Diego, California, USA

January 2024 – Present

Supplemental Instruction (SI) Leader

- Facilitated over 20 study sessions per semester for Calculus 1, leading targeted review activities that contributed to a 15.8% average grade increase and 14% higher passing rate among participating students.
- Developed strong collaboration and leadership skills by working with a team of leaders in weekly strategy meetings, improving program effectiveness and helping achieve a 90% course completion rate for students attending 5 or more sessions.

Projects

AI Animal Classifier | PyTorch, TorchVision, Python, Flask, CIFAR-10, RESTful APIs

- Built and deployed a CNN-based image classifier using PyTorch, TorchVision, and the CIFAR-10 data dataset, achieving 87% validation accuracy. Managed full machine learning pipeline including data processing, model training, validation, and hyperparameter tuning.
- Led a team of 5 in agile-style development with weekly sprints. Deployed model via Flask Restful API, integrated real-time inference, and ensured performance via benchmarking, testing and modular design.

Expense Tracker Application | Java, Spring Boot, MySQL, HTML, CSS, JavaScript, RESTful APIs

- Developed a full-stack expense tracker application using Java for the backend and HTML, CSS, and JavaScript for the front end.
- Implemented CRUD operations to manage expenses, utilizing Spring Boot for the backend server and MySQL for database.
- Integrated RESTful APIs to handle data exchange between the fronted and backend, ensuring seamless user interactions.

Leadership and Involvement

AI Club [Project Leader]

Spring 2025

Led a team of 5 in building and deploying an AI animal classifier. Managed sprint planning, model development, and API integration