Aditya Vinay Ujawane

San Diego, CA | (619)710-5568 | aujawane222@gmail.com | www.linkedin.com/in/aditya-ujawane | github.com/aujawane

Education

Bachelor of Science in Computer Science   **Expected Graduation: May 2027**
San Diego State University, San Diego, California
Cumulative Major GPA: 3.6 / 4.00
Relevant Courses:
- **Level 1 courses:** Algorithm design, program development, Object-oriented programming.
- **Level 2 courses:** Data Structures and Algorithms, Computer Organization, Software Systems.

Academic Honors: Dean's List (All semesters).

Technical Skills

Languages: Python, Java, C++, JavaScript, HTML, CSS, SQL, R, MATLAB
Frameworks/Libraries: Spring Boot, PyTorch, TorchVision, Flask
Tools: Git, GitHub, IntelliJ, CLion, VS Code, RESTful APIs
Concepts: Object Oriented Programming, Machine Learning, CNNs, Model Training, Data Preprocessing, Deployment

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 dataset, achieving 87% validation accuracy. Managed full machine learning pipeline including data preprocessing, 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 (Create, Read, Update, Delete) to manage expenses, utilizing Spring Boot for the backend server and MySQL for the database.
- Integrated RESTful APIs to handle data exchange between the frontend and backend, ensuring seamless user interactions.

Professional Experience

San Diego State University, San Diego, California, USA   **January 2024 - Present**
Supplemental Instruction (SI) Leader - MATH 150 (Calculus I)
- Facilitated over 30 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.

Leadership and Involvement

- **AI Club**: Project Leader
  Led a team of 5 in building and deploying an AI animal classifier. Managed sprint planning, model development, and API integration.
- **Eleet Coders Club:** Member
  Participated in weekly coding sessions focused on LeetCode problems and peer discussions with industry professionals.

Technical Projects   **Summer 2025 (In Progress)**

- **Personal Portfolio Website** | HTML, CSS, JavaScript, GitHub Pages/Vercel
  Developing a responsive personal website to showcase projects, resume, and contact information.
- **Task Tracker |** React, Node.js, Express, MongoDB, JWT, Vercel/Render
  Developing a full-stack productivity app with user auth, task management, and real-time updates.