Mehak Gulati

Davis, CA | +1(909) 527-0555 | mgulati@ucdavis.edu | linkedin.com/in/mehakgulati20 | gulatimehak.com

EXPERIENCE

AMD — June 2025 – September 2025
Full Stack Software Developer Intern — *San Jose, CA*
- Selected for a full-stack software engineering internship to contribute to scalable internal tools and platforms.
- Will work across front-end and back-end systems, improving performance, UI/UX and automation workflows.

Machine Learning Student Network — May 2025 – Present
Tech Director — *Davis, CA*
- Built an ML model predicting GPA from stress levels with 92% accuracy, enabling early academic risk detection.
- Analyzed 500+ data points, uncovering a 35% GPA drop trend in high-stress students.
- Currently managing 2 technical teams, guiding project development and ensuring consistent progress.

Girls Who Code — May 2025 – Present
VP of Projects — *Davis, CA*
- Led 5+ Python/web dev workshops for 25+ students, boosting engagement by 25%.
- Debugged and troubleshooted 500+ lines of code across diverse projects, identifying root causes and implementing effective solutions, which fostered a deeper understanding of software development principles.

CS Tutoring at UC Davis — April 2025 – Present
CS Tutor — *Davis, CA*
- Tutored 20+ students in Python and data structures through 1-on-1 and group sessions.
- Mentored 5 students to score 15+ points above average on coding exams in algorithms.

Ernst & Young — June 2024 – August 2024
Software Development Intern — *Delhi, India*
- Deployed multilingual AI chatbot using Langchain + RASA, integrated with Slack, increasing team query response rate by 60%.
- Optimized backend processing by 30% through scalable PDF extraction and vector storage pipeline.
- Worked across 3 teams to refine chatbot design, debug integration issues, and present technical solutions during weekly demos.

EDUCATION

University of California, Davis — Davis, CA
Bachelor of Science in Computer Science, Minor: Managerial Economics — *Expected Graduation: June 2027*

Relevant Coursework: Python, Calculus, Discrete Math, Linear Algebra, Programming and Problem Solving (UNIX tools), Software Development and OOP in C++, Data Structures, Algorithm Design & Analysis, Financial Accounting

PROJECTS

Personal Website | *HTML, CSS, JavaScript, Bootstrap* — February 2025 – May 2025
- Developed and deployed a personal portfolio using GitHub Pages to highlight projects, experience, and technical skills.
- Increased recruiter engagement and online visibility by showcasing work in a clean, responsive, and accessible format.

To-Do List | *Python, Tkinter, SQLite, OOP* — January 2024 – February 2024
- Built a task management application allowing users to add, track, and delete tasks with persistent data storage using SQLite.
- Integrated visual analytics and filters to help users prioritize effectively, improving daily task completion by 40% in trials.

SKILLS

Languages: Python, Java, C/C++, SQL, HTML, CSS
Libraries & Framework: NumPy, Pandas, scikit-learn, PyTorch, AlphaFold2, Botpress, Streamlit
Tools: Git, GitHub, Jupyter Notebook, VS Code, Tableau, Postman, Docker
Concepts: Object-Oriented Programming, Data Structures & Algorithms, REST APIs, Debugging, Unit Testing