

ACE (ABHILEKH) MAHARJAN

Senior Staff | Student Leadership | AI Development | Full-Stack Development

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PROJECTS

Nimbus Notes (MESAU Hackathon 2.0 Winner)

- Full-Stack AI-Powered Cloud Study-Buddy
- Built a full-stack AI-powered cloud study-buddy with a team, allowing student groups to generate a master summary, flashcards, and a tailored quiz from collective handwritten and digital notes.
 - Integrated AWS (S3, IAM) and GPT 4.1 min for cloud storage and AI integration.
 - Implemented GitHub Actions CI/CD pipelines with Docker to automate testing and deployments.

Baymax: AI Healthcare Assistant

- AI-powered virtual healthcare assistant with medical Q&A and voice recognition.
- Collaborated virtually with teammates in Texas and Sydney using Git version control, with validation support from a medical student in Texas.
 - Integrating with NVIDIA Newton's GPU-accelerated physics simulation to prototype assistive behaviors (e.g., navigation, item hand-offs) before transferring to a physical robot.
 - Powered by PyTorch and OpenAI APIs for medical Q&A and voice recognition.

Odyssey

- Dynamic AI adventure game based on Greek mythology.
- Engineered a narrative-driven adventure game with OpenAI LLM, LangChain RAG, and Astra Cassandra Vector DB for context-aware storytelling.
 - Implemented semantic search pipelines to dynamically adapt story branches, improving narrative coherence and replayability.
 - Deployed on Kubernetes to enable scalable multi-user collaboration and testing across environments.

EXPERIENCE

ChatGPT Ambassador (Inaugural Pilot Cohort)

- OpenAI
- 08/2025 - Present Hayward, CA
- Selected as one of the first ambassadors across the CSU system to lead AI adoption in education.
 - Organized and hosted student-focused events showcasing innovative applications of ChatGPT for learning and collaboration.
 - Shared tips, use cases, and best practices with peers while collaborating with OpenAI and fellow ambassadors across campuses.

Senior Staff

- Student Leadership and Involvement Center
- 08/2025 - Present California State University East Bay, Hayward, CA
- Hired, trained, and mentored 20 student leaders supporting approximately 1,000 incoming students, strengthening onboarding experiences and fostering teamwork across campus organizations.
 - Partnered with student government, clubs, and departments to coordinate campus-wide initiatives, increasing student engagement by 70% and demonstrating leadership in execution.

Learning Assistant - Data Structures & Algorithms

- STEM LAB
- 01/2024 - Present California State University East Bay, Hayward, CA
- Provided support and mentorship to 30+ students per semester, focusing on driving results through clear communication
 - Guided problem-solving, coding assignments, and mathematical reasoning

SUMMARY

Software engineer with strong AI/ML and data science skills, experienced in building scalable full-stack systems and award-winning AI applications using Python, PyTorch, TensorFlow, AWS, Docker, and Kubernetes.

Proven leader with experience in team building, mentorship, and cross-functional collaboration.

EDUCATION

Bachelors in Computer Science

- California State University
- 08/2023 - Present Hayward, California
- Expected Graduation: December 2026
 - GPA 3.76, Dean's List (All Terms)
 - Hayward, CA

KEY ACHIEVEMENTS

- Leadership and Training
- Recruited and trained 20 student leaders to prepare organizing events for 1000+ students
- Hackathon Winner
- Won MESAU Hackathon 2.0 with an AI-powered Cloud study-buddy with over 120 students and 30 teams
- Effective Tutoring
- Assisted over 30 students per semester in mastering data structures and algorithms.

SKILLS

AWS	Cassandra	Data Structures	
Django	Docker	Git	GitHub
GIT Version Control		IAM	Java
JavaScript	Kubernetes	Leadership	
Pandas	Python	PyTorch	React
S3	SQL	Tableau	TensorFlow
TypeScript	GitHub Actions		Node.js
Express.js	Machine Learning		
Scikit-learn			