

MOHAMMED AMIR KHABAZA

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EDUCATION

UC Merced — *B.S in Computer Science & Engineering*

Expected Graduation: May 2026

GPA: 3.83

Relevant Coursework: Data structures, Algorithms, and Professional Development: People in an Engineered World

Affiliations / Honors: College Track East Palo Alto (2022 - Present), Honoree of Menlo Atherton Academy (2020 - 2023), CSF Member (2023 - Present), 10,000 Degrees Scholarship (2023 - Present)

EXPERIENCE

Webacy – San Francisco, CA

Web3 Security Data Analytics Extern

July 2024 – Current

- Accepted into a competitive Web3 and data analytics externship
- Engaged in projects like analyzing blockchain transaction patterns for fraud detection and developing ML models for smart contract risk assessment
- Participated in workshops on DeFi security and blockchain vulnerability, gaining insights into Web3 security challenges.

AI4ALL – San Francisco, CA

Accelerator Participant

January – August 2024

- Mastered AI fundamentals, including machine learning and neural networks, through real-world projects like a predictive model for medical imaging
- Explored AI ethics by analyzing biases and discussing fair AI use
- Demonstrated teamwork and problem-solving by developing an AI tool for brain tumor detection, enhancing accuracy through iterations

EPACENTER – East Palo Alto, CA

Multimedia Graphic Design Intern

November 2022 – May 2023

- Created social media and website banners using Adobe Photoshop, Illustrator, and InDesign
- Designed graphics, logos, and print materials (flyers, ads) adhering to branding guidelines
- Promoted community events by creating posters, digital content, and brochures

PROJECTS

Cal Hacks 11.0: Mantis

Team Member

October 2024

- Developed Mantis, a solution to reduce waste at large events by replacing physical flyers with digital signage
- Integrated real-time voice AI (Google Gemini & Vapi.ai) and AR features (AR.js) for interactive event information
- Built using MongoDB, Node.js, Next.js, and Python

Devpost: <https://devpost.com/software/mantis>

AI Tumor Detection Machine Learning Model: AI4ALL

Senior Machine Learning Researcher

January – August 2024

- Spearheaded development of an AI tumor detection machine learning model
- Collaborated with interdisciplinary teams to ensure seamless integration into medical diagnostics systems
- Enhanced early detection capabilities, contributing to improved patient outcomes in healthcare

Personal Projects:

February 2020 – January 2025

Personal Website: <https://amirkhabaza.github.io/Website/>

- To-Do List App: <https://amirkhabaza.github.io/To-Do-List/>
- Weather App: <https://amirkhabaza.github.io/Weather-App/>

SKILLS

Technical: Python, C++, Java, JavaScript/Typescript, SQL, Ruby, Go, React, Node, SQL, OOP, Git, Perforce, Verilog, VHDL, Linux, Modern Graphics APIs (DirectX, OpenGL, Vulkan), GPU Computing (CUDA, OpenCL), Revision Control, Kotlin

Languages: Fluent in Arabic, English; Conversational Proficiency in Spanish

Certifications: LinkedIn What is Web3, LinkedIn Learning Python, LinkedIn JavaScript Essential Training

Volunteering: Volunteered 20 hours/month at Ecumenical Hunger Program