Ahmed Mriziq

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EDUCATION

San Francisco State University | San Francisco, CA.   **Fall 2025**

B.S. in Computer Science, Minor: Computing Applications | **GPA:** 3.8/4.0

Honors / Certificates: Gen-Pinc Scholar, gSTAR Certificate in Machine Learning & Data Science for BioTechnology

TECHNICAL / PERSONAL SKILLS

Programming Languages: Python, Javascript, Typescript, Java, Swift, HTML / CSS
FrameWork: React, React-Native, Node.js, Next.js, Express.js, Flutter, PyTorch, TensorFlow
Tools: Cursor, V0, RAG, PostgreSQL, MongoDB, Firebase, AWS, Docker, Git, Github, Postman

PROFESSIONAL EXPERIENCE

Keplr AI | Software Engineer Intern | San Francisco, CA   **May 2025 - September 2025**
- Joined as the **second engineer** at KeplrAI, building **AI-powered agents** to help **enterprise supply chain** teams **analyze supplier risk** and **optimize procurement strategies** for strategic sourcing.

Scale AI | Machine Learning Research Engineer | San Francisco, CA   **May 2024 - May 2025**
- Refined **LLM models** by evaluating AI-generated code, implementing robust test cases, and optimizing algorithms, i**mproving performance by 20%**, while developing AI-driven solutions for **CVML** and **Vision Foundation Models**, leveraging **statistical methods**, **isolation forests**, and **deep learning** to enhance **predictive accuracy** by **25%.**
- Implemented state-of-the-art **LiDAR semantic segmentation** on **autonomous vehicle data** and deployed **deep learning models** in **GenAI & ML** pipelines, contributing to **LLM - Automated Quality Control & Evaluation**.

HeadStarter AI | Software Engineer Fellow | San Francisco, CA   **July 2024 - September 2024**
- Developed and deployed **5+ AI applications and APIs** using **Next.js, OpenAI, Pinecone, and Stripe**, driving platform adoption to **500+ users** and refining **80% of the startup's backlog** within **3 months**. Led **4+ engineering fellows** in end-to-end project execution with **MVC design patterns, Airtable, and Azure DevOps** to enhance efficiency and scalability.
- Applied best-in-class software engineering practices, integrating **Agile, CI/CD, Git, and microservice patterns**, under mentorship from engineers at **Google, Apple, Meta, Bloomberg, and Two Sigma**, significantly improving technical acuity & project execution

CTI CodeDay Labs | Software Engineer Intern | San Francisco, CA   **June 2024 - August 2024**
- Co-authored a successful pull request (#1254) for the Open Energy Dashboard, implementing MetricTest and UnitTest for API data retrieval, **enhancing data handling and conversion features and accuracy** (kWh to metric tons CO_2) **by 15% for over 10,000 active users.**
- Implemented baseline graphing functionality and created test cases for data processing, allowing users to apply stored baselines to displayed graphics, developing a new administrative feature for customized data checks, **enhancing user data visualization and administrative capabilities**, resulting in a **25% improvement in data accuracy**. Utilizing JavaScript, Node.js, Mocha, and Chai

FRC System Overload Robotics | Software & Manufacturing Lead | Bay Area, CA   **Aug 2021 - June 2022**
- Led the design, construction, and programming of robotic components, supporting manufacturing operations and contributing to competition success in California, **improving operational precision by 15% during competition.**

LEADERSHIP

Manara West Conference | CONFERENCE CHAIR | SAN FRANCISCO, CA   **June 2024 - February 2025**
- Led the 2025 Manara West Conference, **managing 5+ committees** and a **team of 50+ volunteers**, successfully coordinating the **largest annual gathering** for Muslim students in the West Coast with **450+ attendees & 20+ Universities**, while driving strategic decision-making and aligning conference themes with community growth

Association of Computing Machinery | MARKETING DIRECTOR | SAN FRANCISCO, CA   **February 2023 - January 2025**
- Co-managed **3 social media platforms** (Instagram, Facebook, and GatorExperience), increasing audience engagement by **35%**, growing follower count by **50%**, and boosting post reach and interactions by **40%** through tailored strategies, compelling content, and active communication with followers.

PROJECTS

BudgetPal |CAL HACKS HFI | GitHub | PYTHON, REACT, NODE.JS, DJANGO, PYTORCH, AWS
- Developed a full-stack budget tracking app with a **responsive** and **intuitive UI**, increasing **user engagement by 25%** over initial prototypes. **Integrated** machine learning algorithms (linear regression, decision trees, isolation forests) for **predictive budgeting** and **anomaly detection**, improving **financial forecast accuracy by 30%** and **reducing unexpected spending by 20%**. Achieved a **90% user satisfaction** rate through **seamless integration** and **interactive data visualizations**.

MindEase | GitHub | NEXT.JS, REACT, NODE.JS, EXPRESS.JS, GIT, VERCEL
- Co-developed a mental wellness app for college students, integrating a fine-tuned **Claude 2.0** model for **personalized stress management, guided meditations, and real-time support**. Used **NLP-driven wellness tracking** to increase daily active users by **40%**. Implemented **secure GCP Cloud Firestore storage** and an **adaptive dashboard**, improving **user retention by 35%** and overall app efficacy.