AMIRREZA SHAMS

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■ GitHub | LinkedIn | Portfolio

SUMMARY

Software Engineering candidate & UC San Diego Math–CS student with internship experience shipping a production web MVP in 3 weeks and leading testing to >90% coverage. Strong in data structures & algorithms, OOP, and debugging. Proficient in Python, Java, C++, and JavaScript with Git/GitHub and basic CI. Seeking software engineering or AI-adjacent roles in California.

EDUCATION

University of California, San Diego — B.S. Mathematics–Computer Science (Expected 2026)

Relevant Coursework: Algorithms, Data Structures & Systems, Software Engineering, Cryptography, Probability & Statistics

Los Angeles Pierce College — A.S. Computer Science (Jun 2023)

EXPERIENCE

Software Engineering Intern — Iran Alive Ministries (Remote · Mar 2024 – Sep 2024)

• Shipped features across the public site and media portal; refactored JS/CSS and improved accessibility & Core Web Vitals.
• Automated content operations with Python/Bash for file validation and batch uploads → reduced manual errors.
• Built form workflows with client/server validation and rate-limiting to cut submission drop-offs.
• Added unit tests (Jest) and introduced lint/test CI gates for release stability.
Tech: JavaScript, HTML/CSS, Python, Bash, Git/GitHub, GitHub Actions, Jest, REST APIs

PROJECTS

Job Application Tracker — UC San Diego (Team of 10)

Built an offline dashboard for tracking internship applications. Owned core CRUD flows and reminder logic; led testing/CI to >90% coverage with Jest & Puppeteer.
Tech: JavaScript, HTML/CSS, Jest, Puppeteer, GitHub Actions, localStorage
GitHub Repo | Live Demo

URL Shortener API

Developed RESTful API with CRUD endpoints, validation, rate limiting, and click analytics. Containerized with Docker and added integration tests & CI.
Tech: Node.js, Express, PostgreSQL, Docker, Jest, Supertest

SKILLS

Languages: Python, Java, C++, JavaScript, HTML/CSS, SQL
Frameworks & Tools: Node.js, Express, PostgreSQL, Docker, Git/GitHub, GitHub Actions, Jest, Puppeteer
Concepts: Data Structures & Algorithms, OOP, REST APIs/HTTP, CI/CD, Testing & Debugging