Hasnain Mucklai

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EDUCATION

B.S. Software Engineering, **San Jose State University,** GPA: 3.7 — May 2025

SKILLS & PROFICIENCIES

Programming Languages: Python, Java, JavaScript, TypeScript, HTML, CSS, SQL
Frameworks: React, Angular, Next.js, FastAPI, Flask, Express, Tailwind CSS
Developer Tools: Postman, Git, GitHub, VS Code, Visual Studio, PyCharm, Eclipse, IntelliJ, Docker
Technologies: Node.js, MongoDB, Firebase, MySQL, SQLite, SQLAlchemy, PostgreSQL

EXPERIENCE

Fidelity Investments — June 2024 - August 2024
Software Engineer Intern — *Westlake, TX*

- Rewrote API integration with Angular Query, achieving 40% faster data fetching and seamless automatic updates on successful edits
- Authored over 50 unit tests, achieving over 90% code coverage and resulting in a 25% reduction in bugs, ensuring high-quality, maintainable code
- Developed and implemented several feature components in Angular, improving user interface clarity and responsiveness by 30%

San Jose State University — August 2023 - May 2024
Computer Science Lab Instructor — *San Jose, CA*

- Conducted interactive lab sessions for 30+ students, adeptly explaining procedures and core programming concepts
- Provided expert guidance on Object-Oriented Programming (OOPs), Java, and Integrated Development Environments (IDEs) to facilitate students' understanding and application
- Assessed and evaluated students' assignments and quizzes to ensure accurate grading and constructive feedback
- Cultivated a welcoming and supportive learning environment, fostering a positive atmosphere for students' academic growth and success

IBM Good Tech Scholars Program — July 2022 - August 2022
Program Developer — *Remote*

- Actively participated in the esteemed IBM Good Tech Scholars program, collaborating with IBM employees to tackle real-world challenges and contribute to innovative solutions
- Honed essential design, technical, and professional skills through engaging sessions led by IBM experts, fostering personal and professional growth within the tech industry
- Acquired foundational knowledge of cloud computing, gaining valuable insights into this cutting-edge technology, and its applications in the modern digital landscape

PROJECTS (more projects available at github.com/Hasnain7861)

Celia AI - AI Job Interview Assistant

- Collaborated with three other students to create a voice-based behavioral job interview web application for the SiliconXIHacks 2024 hackathon, winning the "Most Impactful for Students" award
- Integrated OpenAI's Text-to-Speech API, Whisper API, and GPT-4 model to create a user-interactive AI job interviewer for simulating behavioral job interviews
- Used Firebase to maintain message history, enabling GPT-4 to generate job interview questions
- Containerized and deployed the backend to Google Cloud while deploying the frontend to Netlify, making the application accessible to all prospective users

Fullstack Ecommerce Application

- Created a feature-rich and high-performance fullstack E-Commerce website, utilizing Next.js 13 App Router to achieve complex client-side routing, ensuring a seamless user experience and efficient navigation
- Demonstrated proficiency in employing the latest web development technologies, such as React, Tailwind CSS, Prisma, MongoDB, and NextAuth, to build a robust and fully functional application encompassing both front-end and back-end components
- Implemented an admin dashboard to facilitate effective management and control, showcasing expertise in building dynamic and responsive web applications for E-Commerce purposes

Student Stash

- Led a collaborative effort with a four-person team to develop a full-stack Android application
- Implemented a robust, cloud-based database using Google Firebase to optimize user interactions and enhance app functionality
- Designed an intuitive mobile interface using Google's Flutter framework, ensuring a seamless and visually appealing user experience