

Ahmad Gazali

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EDUCATION AND COURSEWORK

San Jose State University

Bachelor of Science in Computer Engineering

San Jose, CA

May 2026

- **Relevant Courses** - Algorithms and Data Structure Design, Object-Oriented Programming, Discrete Mathematics, Information Security, Digital Design I, Assembly Language Programming

TECHNICAL SKILLS

Languages - TypeScript, JavaScript, HTML/CSS, Python, SQL, C/C++

Libraries/ Frameworks - Next.js, React.js, Tailwind CSS, Selenium, tRPC, RESTful, OAuth, Express.js, Three.js, Node.js, Prisma, Redux, Django, Flask, React Native, Expo, Material UI

Developer Tools - GitHub, Git, PostgreSQL, MySQL, MongoDB, Vercel, Google Cloud Platform (GCP), Amazon Web Services (AWS), DigitalOcean, Vim, Tmux, VS Code, Visual Studio, Eclipse

Misc. - SEO, Debugging, Troubleshooting, Web Scraping, Automation, Figma, Blender, Adobe Creative Suite

EXPERIENCE

Software Engineer Intern

Noblis

January 2024 – Present

Remote

- Designed and deployed multiple public-facing websites using HTML and CSS, focusing on user experience, page SEO, and compliance with web standards
- Leveraged Microsoft Power Apps to build a user-friendly, searchable database for university departments
- Designed and implemented process workflows for 3 major projects, enhancing project efficiency by standardizing procedures
- Developed Microsoft Forms for event surveys, integrating responses with MS Power Automate to streamline data collection and automate follow-up workflows

Lead Frontend Engineer

ACM-CS at SJSU

August 2023 – Present

San Jose, CA

- Collaborated with a team of 20+ to design and develop the ACM-CS at SJSU website and Lenses professor rating platform
- Used Next.js to develop dynamic and responsive web applications serving 1000+ members
- Created a component library with 25+ reusable UI components following the atomic design methodology, improving code maintainability and efficiency
- Implemented pages with link-able state using URL parameters, global state management with React.useContext, response caching with Vercel SWR, input validation, pagination, filtering, and handling of error/loading states
- Aided in the implementation of Google OAuth 2.0 authentication and authorization, securely handling cookies
- Utilized TailwindCSS to enforce a consistent design system and create responsive pages and components
- Designed Figma prototypes and UI libraries, establishing cohesive frontend states (error, loading, empty) for both applications
- Coordinated with the backend team to design API endpoints and database schema, ensuring seamless integration with frontend systems
- Contributed to Django backend development by implementing RESTful API designs, utilizing PostgreSQL for data definition/manipulation, and refactoring code
- Reduced hosting costs by 80% deploying the Next.js, Django, and PostgreSQL servers on DigitalOcean utilizing Nginx for DNS proxying

Lead Software Engineer

ML@SJSU

May 2024 – Present

San Jose, CA

- Developed the ML@SJSU marketing website with a custom content management dashboard using Next.js serving 1000+ members
- Achieved Lighthouse scores of 100% Performance, 94% Accessibility, 100% Best Practices, and 100% SEO
- Leading a team of 15+ developers to build a public-facing forum as a subsite, aiming to increase community engagement
- Created a fully-featured design system in Figma with graphical assets, prototypes, and status states, ensuring a consistent and user-friendly UI/UX
- Architected and implemented a database schema using PostgreSQL, incorporating functions and triggers to optimize performance
- Established thorough documentation including API design, code conventions, best practices, and collaboration workflows
- Conducting bi-weekly meetings to review progress, address challenges, and set goals, facilitating team communication

Full Stack Developer

AR/VR Club SJSU

June 2023 – August 2023

San Jose, CA

- Spearheaded the development of the AR/VR Club website and administrator dashboard using the T3 stack, serving 350+ members
- Lead the development of a tRPC API using Prisma ORM to interface with a PlanetScale MySQL database that stores data from the CMS
- Developed a user-friendly content management system, enabling board members to manage content and add components without technical intervention
- Compressed graphical assets, enhancing page speed by at least 30%
- Designed custom UX/UI wireframes and prototypes in Figma, driving a unique visual identity

HACKATHONS

Lead Front End Developer

HackDavis 2024 Hackathon

April 2024

Davis, CA

- Led the front-end development of a Passive Persuasive Language Detector, a Chrome extension that identifies persuasive language on webpages, enhancing user awareness and interaction with digital content
- Engineered a custom HTML parser using a DFS pre-order traversal algorithm to efficiently identify and process text-containing tags at the top level
- Implemented a MutationObserver to dynamically track and update DOM changes in real-time, enabling the extension to highlight persuasive language even in dynamic web environments like social media feeds and AJAX-loaded pages
- Resolved complex race conditions and prevented recursive back-end API calls during DOM mutations by employing a promise queue with an event listener/subscriber to empty the queue
- Implemented a user-friendly interface with customization of text highlights