

Raidah Fairouz

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EDUCATION

University of California, Riverside, Bachelor of Science in Computer Science

June 2024

- **Coursework:** Data Structures & Algorithms, Software Design & Construction, Software Testing, Data Analysis

TECHNICAL SKILLS

- **Programming:** C++, JavaScript, Python, TypeScript, SQL
- **Application Development:** React.js, Next.js, Node.js, REST APIs, HTML/Tailwind CSS
- **Cloud & AI:** Google Firestore, Microsoft Azure, Vercel, NumPy, Scikit-learn, OpenCV, Pandas
- **DevOps & Testing:** Git, Visual Studio Code, Cypress, Postman

PROFESSIONAL EXPERIENCE

Software Engineer Intern, ZyberTech

Simi Valley, CA, Remote

June 2024 – October 2024

- Designed and launched a React Native + Expo self-service kiosk application for a B2B pilot program, improving operational efficiency for 100+ active users
- Engineered 15+ scalable UI components including user navigation and conducted end-to-end testing using Postman and Azure Application Insights
- Built and deployed a custom Kotlin module to support Android-based serial port connections in Expo apps, automating kiosk printing and cutting receipt processing time by 40%
- Integrated 20+ Point of Sale (POS) and SQL-backed transaction APIs, using Zustand state management for real-time data updates
- Optimized performance with a file-based caching system for menu data, reducing load times and backend requests by 80%
- Resolved 10+ system and hardware production issues on Android Studio ensuring data security and minimizing downtime

ADDITIONAL EXPERIENCE

Full Stack Developer, UCR Hackathons – [Link](#)

Riverside, CA, On-site

July 2023 – June 2024

- Spearheaded an Agile team of 20+ developers to deliver a full-stack collaboration website supporting 200+ hackathon participants
- Implemented responsive UI interfaces using React, TypeScript, and Tailwind CSS for seamless user experience across devices
- Wrote RESTful API endpoints to manage participant form submissions and dynamic admin workflows with real time dashboards
- Architected the backend system with Next.js and Firestore, streamlining registration processes and operations by 20%
- Integrated NextAuth to enable secure role-based access for administrative dashboards and automated CI/CD pipelines with GitHub Actions
- Increased application reliability by writing 20+ Cypress tests for end-to-end flows and unit-level coverage

Web Development Project Lead, Association for Computing Machinery (ACM)

Riverside, CA, On-site

August 2022 – July 2023

- Directed full-stack development of websites for Women in Computing (WINC), Highlander Space Program (HSP), and Gamespawm, leading teams of 10+ developers per project
- Built complex and accessible designs using Node.js, React, HTML, and Tailwind CSS across desktop and mobile platforms
- Led weekly workshops and agile scrum meetings, mentoring peers in React development, GitHub collaboration, and code review best practices
- Integrated the Google Calendar API to automate club event scheduling, increasing member engagement by 15%
- Collaborated closely with 3+ UI/UX teams and developers to troubleshoot bugs, push updates, and optimize user experience

TECHNICAL PROJECTS

ClipMind – [Project Link](#)

June 2025

- Built a full stack multimodal QA platform that enables users to interact in real time with youtube videos via a chatbot interface
- Integrated Google Gemini 2.0 models to handle in context video understanding, achieving ~90% relevance in user reported responses during testing
- Designed scalable backend with Next.js APIs for prompt engineering, query handling and chat history to provide a smooth conversational UX

R'Atlas – [Project Link](#)

March 2024 – June 2024

- Designed and deployed a Next.js web app to centralize UCR course data, supporting 85% students with academic planning
- Integrated Google Sheets API and MongoDB to fetch and sync real-time data for 100+ courses
- Leveraged OpenAI API to auto-generate course summaries, enhancing content accessibility for students
- Built responsive UI components with React and Tailwind CSS, deployed via Vercel

Gals Press – [Project Link](#)

January 2024

- Developed a full-stack data analytics platform to expose gender bias in media content, winning Best Use of AI in Education & Best Data Project at RoseHack '24
- Built backend with Flask and Python NLP tools (VaderSentiment), analyzing 100+ media samples
- Visualized findings using JavaScript D3.js and integrated data pipelines via Fetch API to a Next.js + React frontend