Aaryaveersinh Rajput

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Education

Arizona State University   08/2024 - 05/2026
*Master of Science in Computer Science (**GPA: 3.56 / 4.00**)*   *Arizona, USA*
- Machine Learning, Cloud Computing (AWS)

Nirma University   08/2019 - 06/2023
*Bachelor of Technology in Computer Science and Engineering (**GPA: 3.34 / 4.00**)*   *India*
- Data Structures and Algorithms, Web Development, Agile Methodologies

Technical Skills

Languages	: Java, JavaScript, Python, SQL, Dart, C,
Web Development	: ReactJS, NodeJS, ExpressJS, HTML, CSS, Tailwind, WebSockets, REST APIs, Jekyll
Mobile Development	: Flutter, Android Studio, Riverpod, Bloc
Testing	: Jest, Postman
Databases & Tools	: PostgreSQL, MongoDB, Firebase, Git, GitHub, Jira, Figma, VS Code, Linux

Experience

Hardy Infotech   07/2023 – 05/2024
Software Developer (Mobile)   *India*

- Built, launched, and optimized responsive, visually impressive UIs ensuring cross-platform compatibility on iOS and Android devices using Flutter.
- Optimized app performance through optimized state management with Riverpod and Bloc, leading to a **20% boost in speed** and 25% reduction in UI lag.
- Integrated **REST APIs** and third-party libraries to extend app functionality and improve scalability.
- Strengthened security by implementing CAPTCHA and screen lock, reducing unauthorized access attempts by 10% across a large user base.

Technical Projects

CodeSync | *ReactJS, NodeJS, ExpressJS, WebSockets, MongoDB*   04/2025 – Present

- Developed and deployed a **full-stack web application** using **ReactJS, NodeJS, WebSockets**, and **MongoDB** for real-time collaborative coding, simulating a modern team development workflow
- Practiced component-based design, state management, and **API integration** using **ReactJS and RESTful principles**.
- Integrated an in-browser code compiler supporting **5+ programming languages**, reducing dependency on external tools and improving user experience.
- Utilized **Jest for testing** React components and ensuring consistent UI behavior.

eShop | *Flutter, DialogFlow, NodeJS, MongoDB*   GitHub

- Built an e-commerce application with advanced features such as search history, filtering, product ratings, secure payment gateways, order history, and real-time tracking.
- Constructed a scalable architecture that supports 100+ product listings and multiple simulated transactions for an optimized user experience.
- Created 'Buddy', an **AI-driven chatbot** using DialogFlow by Google Cloud, enhancing customer support efficiency, reducing response time by 40%.

Acheivements

- Pursuing **Meta Front- End Developer Professional Certificate** (Coursera), expected April 2025.
- Published research on ML and distributed systems at IEEE ISCS 2024 (DOI: 10.1109/ISCS61804.2024.10581401).
- Proposed a decentralized MIS for birth certificate management using blockchain and ML.
- Achieved 86.21% accuracy in fraud detection, improving document validation reliability.