Aaryaveersinh Rajput

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Aspiring Software Engineer with experience in full-stack web and mobile development, machine learning, and distributed systems. Strong foundation in computer science fundamentals with a proven record of building scalable applications and contributing to research.

Education

Arizona State University, Arizona, USA

Master of Science in Computer Science (GPA: 3.56 / 4.00) - Aug 2024 - May 2026

Relevant Coursework: Machine Learning, Cloud Computing (AWS)

Nirma University, Gujarat, India

Bachelor of Technology in Computer Science and Engineering (GPA: 3.34 / 4.00) - Aug 2019 - Jun 2023

Relevant Coursework: Data Structures and Algorithms, Computer Networks, Agile Methodologies

Technical Skills

Languages: Java, Python, Dart, C

Web: JavaScript, ReactJS, NodeJS, Express, HTML, CSS (Tailwind), Jest, RESTful APIs

Mobile: Flutter, Android Studio

Databases & Tools: PostgreSQL, MongoDB, Firebase, Git, Jira, Figma, WebSockets

Experience

Software Developer (Mobile) - Hardy Infotech, India

Jul 2023 - May 2024

- Developed and deployed cross-platform mobile apps in Flutter with seamless iOS and Android support.

- Enhanced app performance using Riverpod and Bloc, leading to 20% faster load times and 25% UI lag reduction.

- Integrated RESTful APIs and third-party services to improve scalability and maintainability.

- Boosted app security by implementing CAPTCHA and screen lock, reducing unauthorized access by 10%.

Research

Research Student - ST Labs, India

Jul 2023 - Jun 2024

- Co-authored a paper published at IEEE ISCS 2024 on decentralized MIS for birth certificate management (DOI: 10.1109/ISCS61804.2024.10581401).

- Designed a blockchain-augmented system with machine learning classifiers achieving 86.21% fraud detection accuracy.

Projects

CodeSync - ReactJS, NodeJS, WebSockets, MongoDB - Feb 2025 - Present

- Developed a real-time collaborative coding platform with <200ms latency using WebSockets.

- Implemented live editing, chat, and integrated compiler supporting 5+ languages.

- GitHub: https://github.com/AKR-2803/code-sync

eShop - Flutter, NodeJS, DialogFlow, MongoDB

- Built a feature-rich e-commerce app with filtering, secure payments, order history, and live tracking.

- Created 'Buddy', a DialogFlow chatbot, improving support response time by 40%.

- GitHub: https://github.com/AKR-2803/ecommerce-application-flutter

Achievements & Extras

- Publication at IEEE ISCS 2024

- Designed scalable architecture for 100+ simulated transactions in eShop

- Proficient in Agile/Scrum methodologies

References and portfolio available upon request.