

saiprudvi ela

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Objective

Innovative Mobile App Developer with 5+ years of experience designing and deploying cross-platform and native Android applications. Skilled in Flutter, Kotlin, Java, Firebase, and AWS, with expertise in scalable cloud architecture, CI/CD pipelines, and AI/ML integration. Passionate about building human-centered, data-driven digital products that enhance customer experience, drive user engagement, and deliver measurable business impact.

Education

Florida Institute of Technology

Master's, Computer Engineering

Aug 2023 - May 2025

Professional Experience

DormUnity Inc

App Developer

Melbourne, FL, USA

Jun 2025 - Present

- Built and deployed cross-platform mobile app using Flutter, enabling students to connect through ridesharing, property listings, and campus social features.
- Developed modular, reusable widgets with responsive layouts, smooth animations, and state management using Provider/Bloc for scalable architecture.
- Integrated RESTful APIs and Firebase services (Auth, Firestore, Cloud Storage, Push Notifications) for secure, real-time data flow and user engagement.
- Optimized app performance by reducing load times, improving caching, and implementing offline-first capabilities.
- Configured CI/CD pipelines (GitHub Actions + Firebase App Distribution) to streamline testing, deployment, and app updates across iOS and Android.

StyleStitch

Co-Founder & App Developer

Hyderabad, TG, India

Jun 2024 - Apr 2025

- Co-founded and led the development of StyleStitch, a fashion-tech Android app delivering personalized outfit recommendations and a curated shopping experience.
- Defined product vision, feature roadmap, and user experience strategy, aligning design decisions with business and customer needs.
- Designed modern Material Design UI/UX flows, wireframes, and interactive prototypes to ensure intuitive navigation and premium user engagement.
- Managed end-to-end product lifecycle from ideation to launch on Google Play Store, incorporating analytics and user feedback for continuous improvements.

Sigma software solutions

Software Engineer

Pune, MH, India

Feb 2022 - Aug 2023

- Developed and deployed Android applications using Java, Kotlin, XML, and Android Studio, following MVVM architecture to ensure clean code and maintainability.
- Integrated Firebase services (Authentication, Realtime Database, Cloud Messaging) to implement real-time data sync and secure user management.
- Utilized AWS (EC2, Lambda, S3) for backend deployment, improving scalability, performance, and app uptime to 99.9%.
- Optimized app performance by refactoring code and implementing background processing, leading to a 25% reduction in load time and 30% boost in user engagement.

Teegala Krishna Reddy Engineering College

Research Fellow / Intern

Hyderabad, TG, India

Dec 2021 - Jun 2022

- Under the guidance of M. Sravani (Assistant Professor)

- Contributing to research on “GPS & GPS-Based Women Safety & Alerting System”, focusing on system design, implementation, and technical documentation.
- Assisting in writing and editing a research paper for publication.
- Contributing a chapter on “Internet of Things (IoT)”, covering applications, architectures, and use cases related to safety systems.

Oregono Technologies

Bangalore, KA, India

Android Developer

Apr 2021 - Jul 2021

- Developed Android applications onsite using Java, Kotlin, XML, and Android Studio, with a focus on clean UI design and responsive layouts.
- Implemented core app functionalities such as user authentication, real-time data handling, and notifications using Firebase.
- Integrated AWS services to support backend tasks, enhance app performance, and enable scalable cloud interactions.
- Strengthened skills in mobile app architecture (MVVM), third-party API integration, and agile development through practical, hands-on training.

Mobile Application Developer

May 2020 - Dec 2020

- Designed and developed a fully functional shopping application using Java, XML, and Firebase during onsite training.
- Implemented key features including user authentication, product catalog, and shopping cart with real-time database support.
- Gained practical experience in Android Studio, UI/UX design, and mobile app architecture using Firebase Authentication and Realtime Database.
- Strengthened skills in mobile app development, debugging, and cloud integration through hands-on, project-based learning during the COVID-19 period.

TSNPDCL (132/33 kV)

Ragunathpally, TG, India

Substation Intern

Nov 2018 - Jun 2019

- Assisted in testing, validating, and commissioning PLC and SCADA systems for power monitoring and control.
- Developed and debugged embedded test scripts using C/C++ for IEDs, sensors, and other field devices.
- Performed real-time system diagnostics, monitored data logs, and analyzed faults for operational reliability.
- Collaborated with engineers to enhance automation workflows, improve system response times, and ensure compliance with electrical safety standards.

Skills

Mobile Development: Flutter, Dart, Java, Kotlin, Android Studio, Jetpack Components, XML UI Design, Room Database,, MVVM Architecture, Provider/Bloc, Responsive UI/UX, App Performance Optimization

Cloud & Backend: Firebase (Auth, Firestore, Realtime DB, Cloud Messaging, Cloud Storage), AWS (Amplify, Lambda, API Gateway, Cognito, S3, DynamoDB, SNS, CloudWatch),, Google Cloud (Firestore, Functions, App Distribution)

AI/ML & Data Science: TensorFlow Lite, Python, Data Analysis, Recommendation Systems,, LLM Workflows, Generative AI Integration, Data Visualization

Tools & Collaboration: Git, GitHub Actions, Gradle, Postman, JIRA, Agile/Scrum, CI/CD, Crash Reporting,, Unit/UI Testing (JUnit, Espresso)

Design & Prototyping: Figma, Material Design Guidelines, Wireframing, Prototyping, Inclusive UX,, User-Centered Design, Usability Testing

Certifications

- AWS Certified Developer – Associate
- Introduction to Large Language Models
- Supervised Machine Learning: Regression
- Introduction to Generative AI