

# KAPIL BADOKAR

Full-Stack Developer And Mobile Application Developer

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## Summary

Recent Engineering graduate with 1.5+ years of experience across startups delivering production-ready mobile and fullstack applications. Proficient in building cloud-native systems, deploying apps at scale, and collaborating across agile teams. Strong foundation in software engineering, cross-functional teamwork, and scalable systems. Eager to contribute to impactful engineering teams and cutting-edge tech.

## Experience

### Saffron AI

August 2024 – April 2025

*Software Development Engineer Intern*

*Bangalore, Karnataka*

- Led development of a cross-platform React Native application, with production deployment reaching 500+ users.
- Integrated Firebase Authentication, Firestore DB, and AWS services including Lambda, SNS, and DynamoDB.
- Built secure cloud-based notification systems using AWS SNS, SQS and DynamoDB.
- Automated infrastructure deployment using AWS CDK streamlining cloud resource management.
- Designed scalable component architecture and implemented CI/CD pipelines for efficient releases.

### InfoTik

June 2024 – August 2024

*FrontEnd Developer Intern*

*Nottingham, UK*

- Rebuilt and deployed a social media app to Play Store; implemented authentication, commenting, and video playback.
- Directed a 2-person dev team, coordinated backend tasks, and led weekly code reviews to ensure maintainability.
- Revamped the UI using scalable design patterns and improved app performance by over 30%.
- Assisted team with Play Console setup, GitHub workflows, and EAS build process for production releases.

### Eshway

Dec 2023 – January 2024

*Mobile Application Developer*

*Mumbai, Maharashtra*

- Migrated legacy Flutter codebase and resolved compatibility issues with latest SDKs.
- Developed Python-Selenium scripts to scrape structured data, stored on Firebase.
- Containerized backend with Docker and deployed to AWS Lambda via ECR for serverless execution.
- Utilized tools like Selenium, Docker, AWS EC2, AWS Lambda, and Google Cloud to build micro-services.

## Projects

### Pest Identification Robot using Deep Learning | *React-Native, YOLOv8, RaspberryPI, AWS*

[GitHub Repo](#)

- Built a pest detection system using YOLOv8 for real-time inference, deployed via Flask APIs on AWS EC2.
- Integrated a Raspberry Pi-powered RC robot with USB webcam to stream pest images for remote identification.
- Developed a cross-platform React Native app to upload images, view live robot feed, and control image capture.
- Enabled real-time image classification and bounding box annotation using OpenCV and asynchronous API integration.

### EnergyIQ – Smart Plug for Real-Time Energy Monitoring | *React-Native, IOT, Android Studio*

[GitHub Repo](#)

- Built a smart plug using ESP32 and sensors (ACS712, ZMPT101B) to monitor voltage, current, and energy usage.
- Developed a cross-platform app (React Native + Expo) to visualize data and control appliances remotely.
- Enabled cost estimation, live usage tracking, and scheduling achieving a 12% reduction in power consumption.
- Used Firebase for real-time data sync, secure auth, and low-latency control (under 300ms response time).

## Education

### Savitribai Phule Pune University

Nov 2021 – June 2025

*Bachelors in Electronics And Computer Engineering*

*CGPA : 8.7/10*

## Technical Skills

**Languages:** C++, Python, Java, JavaScript, TypeScript, Dart, HTML5, CSS3

**Frameworks & Libraries:** React.js, Next.js, React Native (Expo), Flutter, Redux, Tailwind CSS, Django

**Databases:** SQL, MongoDB, Firebase, Supabase, DynamoDB

**Cloud & DevOps:** AWS (Lambda, EC2, S3, SNS), Docker, EAS, Firebase Hosting

**Tools & Platforms:** Git, GitHub, Postman, Jira, Selenium, VS Code, Android Studio

## Achievements & Certifications

- **Topper – First Year Engineering:** Secured the highest GPA among 600+ students in college.
- **LinkedIn Recommendation:** Received a public recommendation from an Amazon engineer. [Profile Link](#)
- **Winner – Mini Project Competition:** Led the winning team for a job search application project.
- **Agile Project Management Professional Certificate (Atlassian):** [Credential Link](#)