

# Kunal Kishor Salankar

Full Stack Mobile Developer & Cloud Enthusiast

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## Summary

Final-year B.Tech Computer Engineering student with strong fundamentals in programming and problem-solving. Hands-on experience building AI-powered, data-driven applications using Flutter, Python, Firebase, and AWS. Experienced in full-stack development, cloud integration, and applied AI projects, with a strong ownership mindset gained through internships and hackathons..

## Certifications

- **AWS Academy Cloud Developing** – [View Certificate](#)
- **AWS Academy Data Engineering** – [View Certificate](#)

## Education

- **B.Tech in Computer Engineering**, BIT Wardha — CGPA: 7.24 (Till Sem 6)
- **XII – Maharashtra State Board**, Percentage: 91.83%

2022 – Present

2021

## Skills

- **Cloud:** AWS (EC2, S3, IAM, CloudWatch, VPC, CloudFront, IoT Core, Lambda, DynamoDB, IoT TwinMaker)
- **Mobile Development:** Flutter (BLoC, Cubit)
- **Backend:** PHP, Laravel, Flask
- **AI/ML:** Python, OpenCV, Tesseract OCR, PyZbar, BLIP (Vision-Language Model), Scikit-Image, Hugging Face Spaces
- **Databases:** Firebase, Cloud Firestore
- **Deployment:** AWS, Firebase Hosting, Vercel

## Professional Experience

### Full Stack Developer – Alkraj Developers Pvt. Ltd. [View Certificate](#)

May 2025 – July 2025

Flutter, Firebase, Laravel, HTML, CSS, JavaScript, BLoC

- Developed and deployed key features for **FYNX**, an AI-powered financial news app with 1000+ downloads.
- Enabled hands-free browsing with auto-scrolling and TTS, improving session time.
- Built GitHub-style reading streak tracker to increase daily engagement.
- Visualized live NSE/BSE indices using financial APIs.

## Project Experience

### Intelligent Solar Panel Monitoring System [View Project](#)

Jan 2026 – Feb 2026

ESP32, AWS IoT Core, AWS Lambda, API Gateway, AWS IoT TwinMaker, React, Grafana, YOLOv8, FastAPI, RAG, GenAI

- Developed an IoT-based solar monitoring system using ESP32 and AWS IoT Core for real-time data streaming.
- Built a React dashboard with I-V analytics and Digital Twin integration for panel health visualization.
- Implemented YOLOv8 and GenAI for fault detection, root cause analysis, and automated SNS alerts.

### TourMate [View Project](#)

Sep 2025 – Nov 2025

Flutter, Firebase, Google Maps API, Firebase Cloud Messaging (FCM), Gemini AI

- Implemented real-time trip tracking with automated checkpoints, live route replay, and nearby place detection.
- Integrated Firebase Cloud Messaging for instant location-based alerts and enabled users to view and post live map comments.
- Built a Gemini-powered chatbot that suggests nearby places with distance and travel time based on selected transport mode.

### AI-Based IC Counterfeit Detection System [View Project](#) [Implementation Video](#)

Aug 2025 – Oct 2025

Python, OpenCV, BLIP, Hugging Face, Tesseract OCR, PyZbar, Scikit-Image

- Built an **AI-powered AOI system** to detect counterfeit ICs using computer vision and BLIP model.
- Integrated on **Hugging Face** for real-time inspection and intelligent verification.
- Combined visual feature extraction with language-based reasoning to enhance counterfeit detection accuracy.

## Achievements

- **Winner:** Smart India Hackathon 2023 – IoT-based utility monitoring system [View Project](#)
- **Finalist:** Smart India Hackathon 2024 – CoastyAlert (coastal tourism platform) [View Project](#)