

# MOHIT KUMAR PAL

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## Education

### Indian Institute of Information Technology, Ranchi

Bachelor of Technology in Electronics and Communications Engineering (CGPA of 8.08)

2021 – 2025

Ranchi, Jharkhand

### Vikash Residential School, Bhubaneshwar

Higher Secondary School Certificate (CBSE) in Science stream (Percentage of 91.60)

2018 – 2020

Bhubaneshwar, Odisha

## Experience

### Unico International Pvt. Limited

Software Developer (Intern: Jun 2025 – Dec 2025)

June 2025 – Present

Bengaluru, India

### Real-Time Trading Data Gateway | Node.js, WebSockets, Supabase, AWS EC2, Docker, PM2

- Developed and scaled a real-time trading backend for forex and crypto markets using **Node.js** and **WebSockets**, enabling sub-second market data streaming and automated SL/TP execution.
- Designed retry-safe database operations and caching layers, and deployed production workloads on **AWS EC2** using **Docker** and **PM2** for reliability and scalability.

### DoorSync – Community Management Platform | Java, Spring Boot, AWS Lambda, API Gateway, DynamoDB, Cognito

- Contributed to backend microservices development using **Java** and **Spring Boot**, following **DDD**, **CQRS**, and **Hexagonal Architecture** principles.
- Implemented serverless APIs using **AWS Lambda** and **API Gateway**, integrated **Amazon Cognito** authentication, and managed infrastructure via **AWS SAM / CloudFormation**.

### WashBee – Laundry Service Platform | Node.js, Express, Prisma, PostgreSQL, Supabase, FCM

- Architected a **scalable multi-actor backend** for customers, admins, in-house staff, and delivery partners, supporting full **order lifecycle**, **cart**, service catalog, dual pricing models, billing, and role-based workflows.
- Designed **real-time** delivery assignment and tracking using **SSE** and **FCM**, with live location tracking, photo-based pickup/drop proof, and automated assignment flows via polling jobs and webhook-driven triggers.

## Projects

### PaperSafe | Flutter, Node.js, Express.js, MongoDB, Multer, Nodemailer, Cloudinary | 🎬 GitHub

Oct 2024 – Nov 2024

- Built the **frontend of a cross-platform document management app** using Flutter.
- Followed **MVVM** and **Clean Architecture** to ensure a clean, modular, and scalable codebase.
- Used **SharedPreferences** for persistent login and local data handling.
- Implemented **pixel-perfect, responsive UI** based on Figma design.
- Integrated **REST APIs** for document hosting and user authentication features.

### MusicPlayerApp | Flutter, Riverpod, FastAPI, JWT token, PostgreSQL, Cloudinary | 🎬 GitHub

Feb 2024 – Mar 2024

- Developed a **full-stack, cross-platform** music player app for uploading, storing, and playing songs.
- Designed using **MVVM** and **clean architecture** principles, improving scalability and maintainability.
- Implemented **FastAPI** for backend development, ensuring high **performance** and **efficiency**.
- Simplified authentication using **JWT-based** token authentication, improving security and reducing complexity.
- Used **PostgreSQL** for structured data management and **Cloudinary** for secure media storage.

## Technical Skills

**Languages:** C, C++, Java, Dart, JavaScript, Python, SQL, HTML/CSS

**Developer Tools:** Git, GitHub, VS Code, Android Studio, XCode, Postman, Jira, Docker, PM2

**Technologies/Frameworks:** Flutter, FastAPI, Node.js, Express.js, Spring Boot, MongoDB, PostgreSQL

**Cloud & DevOps:** AWS (EC2, Lambda, API Gateway, DynamoDB, Cognito, SAM, CloudFormation), Supabase

**Coursework:** Data Structures & Algorithms, OOP, Operating System, Computer Network DBMS, IoT, LLD

**Concepts:** RESTful API, WebSockets, Microservices, Clean Architecture, MVVM, DDD, CQRS, Hexagonal Architecture

## Achievements

- LeetCode | Ranked **2686** in Biweekly Contest 125.
- Ranked under **top 10** at the **Hack This Fall 3.0** Hackathon.
- Led teams to the second round of **HackOn with Amazon** and the Semi-Finals of **Flipkart Grid 5.0**.
- Attained an **All India Rank of 3** in the India Innovates Product Challenge organized by **IIT Kharagpur**.