

Ekansh Mittal

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About Me

Innovative developer with expertise in **cross-platform app development**, **scalable backend services**, and **AI-driven solutions**. Proficient in Flutter, Python, and Java, with hands-on experience building ML-powered applications and real-time event management tools. Skilled in system design, API development, and strong foundations in DSA, OS, and networking. Passionate about delivering impactful, user-focused products.

Tech Stack

- **Languages:** Dart, Java, C++ , Python, JavaScript, C
- **Frameworks:** Flutter, Android SDK, React Native, JDBC, Spring Framework
- **Tools:** Firebase, Flask, Git, GitHub , Maven , Gradle
- **Concepts:** API Management, State Management, Agile Development , Design Patterns , Software Engineering Principles
- **Coursework:** Data Structures and Algorithms, Object-Oriented Programming Principles, Database Management Systems & SQL, Computer Networking & Security, Operating Systems

Education

IIIT Bhubaneswar — B.Tech in Information Technology (2022–2026)
St. Fateh Singh Convent School, Bathinda — 12th Standard (2020–2022)
St. Xavier High School, Rampura Phul — 10th Standard (2008–2020)

CGPA (6th Sem): 7.92/10
85% (CBSE), 36700 AIR JEE Mains
89% (CBSE)

Projects

MediMatch

Python, Flask, FastAPI

- Developed a cross-platform mobile app that detects common illnesses and provides **instant medicine suggestions**.
- Incorporated an ML-based matching algorithm and exposed functionality via **Flask API** endpoints.
- Engineered a **data cleaning module** using **Sentence Transformers** to transform raw user input into structured keywords, boosting ML model accuracy, and deployed the backend on **Render.com** for reliable public access.

Advaita Auth

Flutter, FastAPI, Android Native

- Built a **QR-based registration and validation** app for event access that utilized Flutter's **camera package** to scan QR codes and extract text.
- Integrated a **FastAPI backend** for pass registration and validation and implemented **user-role categorization** for **Authenticator vs. Validator** access
- Published during the college's annual techno-cultural festival with **2,000–3,000 attendees** for real-time access control

Echo Mind

Python, LangChain, FastAPI

- Developed a **Q&A Voice Assistant** that accepts audio/text-based context input.
- Implemented speech recognition, vector similarity search, and **agentic processing** with text-to-speech output.
- Deployed the backend container with Docker and Microsoft Azure.

Product Experience

Maala

Flutter, Dart, Android Native

- Created a lifestyle and meditation app to encourage mindfulness.
- Designed a flexible Flutter user interface with **native Android integration** using **Method Channels**.
- Collected and applied feedback from **20+ closed beta testers** to improve features and usability.
- Deployed to production, achieving **20+ peak users** and **consistent daily store visits**.
- Published a **Medium article** sharing experience with app deployment and Google Play Console usage.

Certifications

- **Java Certification by GeeksforGeeks** – Covered basics, **Object-Oriented Programming**, **Collections Framework**, **Exception Handling**, **Data Structures and Algorithms** among various other topics
- **Software Architecture by CodeSignal** – Included **SOLID Principles**, **Clean Architecture**, **System Design**, and introduction to **Cloud Computing** among various topics

Leadership & Achievements

- **LeetCode:** Top **10%** among 650,000+ users with **575+ problems** solved, **970+ submissions** and **rating of 1790**
- **CodeChef:** Rated a **4-star coder** with a **rating of 1900+** on CodeChef, ranked **3370 globally**
- **Leadership: PR & Marketing Lead**, TARS Society – led outreach campaigns and enhanced visibility of the organization within the tech community
- **Placement Coordinator:** Organized **10+ company** recruitment processes for the **2025 batch**, ensuring seamless student-recruiter coordination