Saransh Upadhyay

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EDUCATION

Kalinga Institute of Industrial Technology   May 2027 (expected)

Bachelor of Technology, Computer Science and Engineering

CGPA: 8.55 / 10.0

Relevant Coursework: OOP, Operating Systems, Data Structures & Algorithms, DBMS, Computer Architecture

SKILLS

Programming & OOP: Java, Python, TypeScript, JavaScript, C, SQL; Object-Oriented Design, SOLID principles

Frameworks & Tech: Spring Boot, Node.js, Express, React, React Native, Next.js, REST APIs, OAuth 2.0, JWT Authentication

Databases: PostgreSQL, MongoDB, MySQL, SQLite, Oracle (ERD, DDL, normalization)

CS Fundamentals: Operating Systems, Computer Networks, OOP, Computer Architecture

AI/ML: Supervised Learning (Andrew Ng), Deep Learning (in progress), Generative AI (Gemini-API integration)

Developer Tools: Git & GitHub, Postman, Linux, Docker (learning)

PROJECTS

Upward (In Progress) — Trading Platform Clone *Tech Stack: React (TS), Spring Boot, PostgreSQL*

- Building a mock trading platform inspired by Groww, featuring authentication, portfolio management, and simulated trading APIs.
- Designing efficient PostgreSQL schema ensuring ACID compliance and scalability.
- Implementing REST APIs using Spring Boot for portfolio and order management.
- GitHub Code

Trimlyy (In Progress) — Salon Booking & Management App *Tech Stack: React Native, Node.js, Express, MongoDB, TailwindCSS*

- Currently developing a cross-platform salon booking application with real-time slot availability and secure authentication.
- Implementing role-based access control for customers, salon owners, and admins to manage services, staff, and appointments.
- Designing MongoDB schema for users, bookings, and service catalog with scalability and reliability in mind.
- Building a responsive mobile UI with React Native + TailwindCSS for a smooth cross-device user experience.
- GitHub Repository

SkyBook — Flight Booking Platform (Collaborated) *Tech Stack: React, Node.js, PostgreSQL*

- Designed normalized schema and implemented 15+ REST APIs for flight booking, authentication, and search.
- Built responsive React frontend with JWT/OAuth2 authentication.
- Code

Kumbh Shilp — Crowd Management Platform (Ujjain MahaKumbh Hackathon) *Tech Stack: React, Leaflet, Firebase, OSRM*

- Developed an interactive React-Leaflet map with custom markers, routing, and dynamic congestion overlays via Firebase.
- Enabled real-time family tracking with path visualization.
- Implemented VIP routing and queue management with admin verification using Firebase Realtime Database.
- GitHub Code

ACHIEVEMENTS & CERTIFICATIONS

- **Founder, Trimlyy** — a salon booking & management app addressing wait-time inefficiencies in Indian salons.
  - Building scalable React Native + Node.js platform with dual revenue model (subscriptions + commissions).
  - Roadmap: MVP launch (Sept), onboarding local salons (Dec), rollout with premium features (Feb).
- **Supervised Machine Learning** (Regression & Classification by DeepLearning.AI) – Certificate