

# ROHAN BENEGAL

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## EDUCATION

### Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE)

Mumbai, India

Bachelor of Engineering in Computer Engineering – CGPA: 8.36 (up to Sem IV)

Expected June 2027

- Relevant Coursework: Data Structures and Algorithms (Java), Database Management, Full Stack Development, Python

## EXPERIENCE

### Frontend Developer

March 2025 – August 2025

Freelancing

Remote

- Designed a responsive booking website using ReactJS

## TECHNICAL SKILLS

**Languages:** Python, Java, HTML, CSS, JavaScript, SQL

**Technologies:** Django, NumPy, Pandas, Scikit-Learn, REST APIs, PostgreSQL, MySQL, SQLite, ReactJS, Node.js, Express.js, Arduino

**Concepts:** Machine Learning, Artificial Intelligence, Backend Development, Database Systems, Web Development, IoT

## PROJECTS

### NagarSetu — Django, HTML, CSS, JavaScript, ESP32

- Developed a Smart City AI platform integrating IoT sensors for real-time environmental monitoring

### LeetCode Progress Tracker — Next.js, Supabase, PostgreSQL, Tailwind CSS

- Built a minimal LeetCode progress tracker with hourly auto-sync and difficulty-wise analytics

### F1 Race Prediction Model — Python, Pandas, Scikit-Learn, XGBoost

- Trained Random Forest, XGBoost, and ensemble models to predict Top 3 finishers using historical data (1950–2024)
- Implemented pre-race and post-qualifying pipelines with transfer-aware driver-team modeling

### DevLMS — Django, ReactJS, PostgreSQL

- Built a full-scale LMS with student, instructor, and admin portals and AI-powered career guidance
- Implemented real-time coding battles, forums, notifications, and video calls using WebSockets

## ACHIEVEMENTS

### SIH 2025 Winner – National Level Hackathon

2025

- Won Smart India Hackathon 2025 by designing a self-healing FPGA architecture using watchdog-based fault detection

### 1st Place – SPIT Hackfusion 2026 – National Level Hackathon

2026

- Built an infrastructure incident reporting platform for real-time civic issue tracking

### 1st Place – BVDU Hacknova 2026 – National Level Hackathon

2026

- Developed a real-time traffic and pollution monitoring system using Google Maps API and IoT sensors

### 6 Hackathon Wins (3 National Level)

- Secured 1st place in 6 hackathons, including 3 national-level competitions across AI, IoT, and full-stack domains