

# ROHAN BENEGAL

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## SUMMARY

Computer Engineering student with experience in full-stack development and machine learning. Skilled in Python, React, Node.js, and Django. Winner of multiple national-level hackathons, seeking software engineering opportunities.

## 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*

- Developed a responsive booking platform using ReactJS, improving usability across desktop and mobile devices

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, SQL, HTML, CSS  
**Frontend:** ReactJS, Tailwind CSS, Next.js  
**Backend:** Node.js, Express.js, Django, REST APIs  
**Databases:** PostgreSQL, MySQL, SQLite, Supabase  
**Tools:** Git, Arduino, NumPy, Pandas, Scikit-Learn

## PROJECTS

**CityPulse — React, Node.js, Express, Supabase, Arduino, Gemini AI**

- Built a smart urban incident management platform with multi-role dashboards.
- Implemented AI-based incident aggregation and worker assignment using location, skills, and workload scoring
- Integrated IoT sensors (smart dustbins, air quality monitors) with Node.js serial bridge for real-time alerts

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

- Built a LeetCode progress tracker with automated hourly sync using cron jobs and difficulty-wise performance 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 multi-role portals, AI-powered career guidance, and real-time coding battles 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