Rahul Vijay Patil

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Pune, Maharashtra, India 411033

EDUCATION

B.Tech - Computer Science and Business Systems

JSPM's Rajarshi Shahu College of Engineering, Tathawade| CGPA: **8.49** | Expected: 2026

HSC (MSBSHSE) | M. M College, Pachora | Percentage: **81.33%** | Year: 2022

SSC (CBSE) | Nirmal International School, Pachora | Percentage: **79.80%** | Year: 2020

TECHNICAL SKILLS

Skills: C, C++, Python, JavaScript, HTML, CSS,Tailwind CSS, TypeScript, React.js, Node.js, Electron.js, SQL, SQLite, PostgreSQL, MongoDB, Supabase, Git, GitHub, Visual Studio Code, Postman
Concepts & Tools: Data Structures & Algorithms (DSA), OOP (C++), Cloud (Supabase, Docker, AWS)

PROJECTS

Complaint & Document Tracking System – Pimpri Chinchwad Police Commissionerate ⠀⠀⠀⠀⠀Oct 2024 – Jan 2025

- Tools: Electron.js, JavaScript, HTML, CSS, SQLite
- Developed Electron.js apps used by 10+ officers to manage 2,500+ complaints and 1,000+ documents, reducing paperwork by 50% and retrieval time by 40%.
- **Received recognition from the Commissioner of Police** for enhancing internal tracking processes.

Real-time Smart Traffic Signal Management system ⠀⠀⠀⠀⠀Jan 2025 – Mar 2025

- Tools: YOLOv8, OpenCV, Streamlit, Pandas, Plotly
- Achieved 85%+ vehicle detection accuracy, reducing wait times by 30%.
- Built a Streamlit dashboard for real-time monitoring of 4+ intersections.

ERP for College (Ongoing) ⠀⠀⠀⠀⠀Mar 2025 – Present

- Tools: React, Tailwind CSS, Nest.js, Supabase
- Designing a full-stack ERP system for academic records and workflow management.
- Developing real-time sync and authentication with Nest.js and Supabase.

Training and Placement Portal for College (Ongoing) ⠀⠀⠀⠀⠀May 2025 – Present

- Tools: React, Tailwind CSS, Nest.js, Supabase
- Creating a portal for managing student profiles, job listings, and applications.
- Implementing backend logic and real-time updates with Nest.js and Supabase.

CERTIFICATIONS [Google Drive]

- Recognition from Commissioner of Police
- Google AI/ML Virtual Internship
- Google Generative AI Virtual Internship
- CPP Training by IIT Bombay
- Front-end Development - HTML
- Introduction to Artificial Intelligence
- Fundamentals in Cybersecurity

EXTRACURRICULAR ACTIVITIES

- **Technical Lead,**
  Professional Development Cell (PDC),
  JSPM's Rajarshi Shahu College Of Engineering,
  Tathawade
- **Organized and Coordinated college-level technical and non-technical events and competitions**