Rahul Vijay Patil

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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

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

PROJECTS

Complaint & Document Tracking Systems | [GitHub] | Oct 2024 – Jan 2025
(Pimpri Chinchwad Police Commissionerate)

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

Real-time Smart Traffic Signal Management system | [GitHub] | 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 | (In Progress) | [GitHub] | 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 | (In Progress) | [GitHub] | 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]

- Google: AI/ML Virtual Internship
- Google: Generative AI Virtual Internship
- IIT Bombay: CPP Training
- UiPath: Automation Developer
- Great Learning: Front-end Development - HTML
- MongoDB: Introduction to MongoDB
- IBM: Introduction to AI
- Fortinet: Fundamentals in Cybersecurity

EXTRACURRICULAR ACTIVITIES

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