

GAYATRI PATIL

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EDUCATION

SVKM's Institute of Technology Engineering College, Dhule, Maharashtra, India

2023 – 2027

B.Tech in Information Technology

CGPA: 7.5 / 10

Coursework: Data Structures and Algorithms, Software Engineering, Object Oriented Programming, Operating Systems, Computer Networks, Data Visualization

SKILLS

Programming Languages: Java, Python, JavaScript, SQL

Frontend: ReactJS, NextJS, TypeScript

Backend & Databases: NodeJS, REST APIs, MySQL, MongoDB

DevOps & Tools: AWS, Git, Figma

Familiar With: Kubernetes, Docker, Postman

CURRENT PROJECTS

InspireNest – Learning Platform — MERN, JWT, Bcrypt, MongoDB, React

[Link](#)

- Built a responsive, child-focused learning platform for children with intellectual disabilities, used by **100 children**, improving cognitive and emotional skills by **30%**.
- Designed **10** learning modules and **5** gamified activities with integrated mood tracking and progress monitoring.

Smart Attendance System — Python, OpenCV, QR, Supabase

[Link](#)

Role: Contributor (UI Design & Feature Implementation)

- Developed a double-verification attendance system using **Face Recognition** and **QR scanning**, reducing proxy attendance by **95%**.
- Implemented automated attendance reports and role-based dashboards, reducing manual faculty effort by **70%**.

NovaGit – Version Control System — MERN, AWS S3, Yargs CLI, JWT, bcrypt

[Link](#)

- Engineered a custom **CLI-based** version control system supporting repository initialization, file tracking, and commit management.
- Integrated secure **JWT** authentication and **AWS S3** storage to streamline workflows and improve repository management.

ZERODHA Clone — MERN, Axios, Chart.js, bcrypt, JWT, Stock Market APIs

[Link](#)

- Integrated **live stock market APIs**, improving data refresh speed by **35%**.
- Built personalized **watchlists** and optimized chart rendering, increasing user engagement by **50%**.

ZOOM Clone — MERN, Socket.io, WebRTC, bcrypt, JWT, Crypto APIs

[Link](#)

- Built a Zoom-like video conferencing app supporting **10 concurrent users** with **99.9% uptime** using WebRTC and Socket.io.
- Implemented **JWT** secure authentication and real-time features including **group calls, chat**, and meeting rooms.

ACHIEVEMENTS

- **Top 20** among 200 teams in **Technolons 2025 Hackathon**, Amravati.
- Selected for **IIT Bombay C++ Bootcamp**.
- Participated in **Mumbai Hacks '24**, recognized by Guinness World Records.