GAYATRI PATIL

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EDUCATION

SVKM's Institute of Technology Engineering College Dhule Maharashtra India.   2023 — 2027

B. Tech Information Technology
- CGPA : 7.5 / 10
- Coursework: Data Structures and Algorithms, Software Engineering, Object Oriented Programming, Operating Systems, Computer Networks, Data Visualization.

CURRENT PROJECTS

InspireNest – Child Learning Platform | Tech Stack: MERN, JWT, Bcrypt, MongoDB, React   **Link**
- Created a responsive, child-focused platform used by ~100 children, improving cognitive and emotional skills by ~30% and supporting daily life tasks in a safe, engaging environment.
- Includes ~10 learning modules, ~5 gamified activities, creativity tools, mood tracking, and progress monitoring, making it unique and impactful.

Smart Attendance System | Tech Stack: Python, OpenCV, QR, Supabase   **Link**

Role: Contributor (UI Design & Feature Implementation)
- Contributed to developing a double-verification attendance system using Face Recognition and QR Code scanning, helping reduce proxy attendance by ~95% while improving verification speed and accuracy.
- Designed and implemented UI components and feature workflows, including automated daily attendance reports and a secure role-based dashboard, reducing manual faculty effort by ~70%.

NovaGit -VCS | Tech Stack: MERN, AWS S3, Yargs CLI, JWT, bcrypt, Git   **Link**
- Engineered a custom version control system that enables users to initialise repositories, track file changes, and manage commits directly through a purpose-built CLI.
- Integrated secure JWT authentication, AWS S3 storage, and efficient repo monitoring to streamline project workflows and simplify code management for users.

ZERODHA | Tech Stack: MERN, Axios, Chart.js, bcrypt, JWT, Stock Market APIs   **Link**
- Integrated live stock market APIs for real-time trading visualization, improving data refresh speed by 35%, and built personalized watchlists that increased user engagement by 50%.
- Implemented secure authentication using bcrypt and JWT, optimized API handling with Axios, and improved chart rendering performance by 30% using Chart.js.

ZOOM | Tech Stack: 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 secure authentication and real-time features including group calls, chat, and meeting rooms.

SKILLS

- **Programming Languages:** Java, Python, JavaScript, SQL
- **Frontend:** ReactJS, NextJS, TypeScript
- **Backend & Databases:** NodeJS, REST API, MySQL, MongoDB
- **DevOps & Tools:** AWS, Git, Figma
- **Familiar With:** Kubernetes, Docker, Postman

ACHIEVEMENTS

- Achieved Top 20 ranking out of 200 teams in the Technolons 2025 Hackathon, held in Amravati.
- Chosen for IIT Bombay C++ Bootcamp, competing among 100 selected students.
- Participated in Mumbai Hacks '24 Hackathon, recognized by Guinness World Records.
- Completed Google Cloud Arcade – Advanced Level, gaining real cloud practice.