Tanuj Patil

Software Developer

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SUMMARY

Software Developer proficient in **Core Java**, **Spring Boot**, and **REST API** development.
Built and **developedfull-stack** applications like a code execution platform and attendance system.
Implemented clean, modular backend logic using **PostgreSQL** and dynamic UIs with **React**.
Adept at delivering performance-focused solutions with strong teamwork and problem-solving skills.

EDUCATION

Bachelor of Technology in Computer Engineering, PSGVPM's DN Patel COE (GPA: 7.94) — Jan '21 — Present, Shahada, India

- Studied core subjects like **Data Structures**, **OOPs**, **DBMS**, and **Operating Systems**, building a solid programming base. Gained hands-on experience in **Java**, **C**, and basic **web development** through labs and projects.

Intermediate, KSGF patil jr. college (GPA: 89.50%) — Jun '20 — Apr '21, Shahada

High School, SVK vidya mandir (GPA: 88.40%) — Jun '18 — May '19, India

AWARDS

NPTEL Certification – Joy of Computing Using Python — Apr '23
NPTEL (IIT Madras)
Achieved **91%** in a national-level certification course conducted by **IIT Madras** through NPTEL, covering **Python programming**, real-world problem solving, and creative computing fundamentals.

PERSONAL PROJECTS

CodeLab – Real-Time Coding & Problem Solving Platform, Academic Project Link — Aug '24 — Jun '25
- **Developed** a scalable **full-stack application** for real-time code execution and automated problem evaluation.
- **Built and integrated RESTful APIs** for problem management, tag filtering, and difficulty-based sorting using **Spring Boot** and **PostgreSQL**.
- **Implemented** dynamic frontend with **React**, enabling responsive UI, pagination, and real-time status display.

Smart attendance system using face recognition, Academic Project Link — Jun '23 — Sep '23
- **Developed** an attendance system using **face recognition algorithms** with 80% accuracy for real-time student detection.
- **Implemented** XML-based attendance data storage and GUI for user interaction.
- **Engineered** a real-time face classification system using **OpenCV**, distinguishing student faces from background.

Employee wage computation, Personal Project Link — Dec '23 — Feb '24
- **Designed** and **implemented** a wage computation system using **Java OOPs** concepts like encapsulation and inheritance.
- **Utilized** arrays and hash maps to store and retrieve employee records efficiently.
- **Calculated** daily, monthly, and yearly wages for full-time and part-time employees.

SKILLS

Programming   Java, JDBC, JPA, Spring Boot, SQL
Web Development   HTML, CSS, Javascript, React.js, Bootstrap, Tailwind CSS
Database Management   MySQL, PostgreSQL
Version Control   GitHub, Git
Development Tools   VS code, IntelliJ IDEA, Eclipse

VOLUNTEERING

Event Volunteer, PSGVPM's DN Patel COE — Shahada, Mar '24 — Mar '24

Assisted in organizing and managing **TechFiesta**, a college-level technical event. Coordinated with participants, managed registrations, and supported event logistics. Contributed to the smooth execution of coding contests and project exhibitions. Collaborated with the event team to ensure timely scheduling and problem resolution.