Amit Singh

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ABOUT

Aspiring software developer and B.Tech CSE student with a focus on Java, DSA, and full-stack web development. Experienced in building practical projects including an AI-based attendance system and a smart video player app (built using basic Android Studio features). Proficient in Python, SQL, and foundational frontend/backend technologies. Passionate about problem-solving, clean code, and developing user-centric solutions with real-world impact.

TECHNICAL SKILLS

Programming Languages: java , C , Python , SQL, R , JavaScript
Web & App Technologies: HTML, CSS, Spring Boot, Android Studio(basics)
Libraries & Frameworks: NumPy, Pandas, Matplotlib
Tools & Platforms: Git, GitHub, Docker (Basics), Postman

SOFT SKILLS

Teamwork, Problem-Solving, Communication, Time Management, Adaptability

PROJECT WORK

- **AI-Based Attendance System(2025):**
  - Developed an intuitive GUI using Tkinter for a face recognition-based attendance system, enabling user-friendly registration, attendance marking, and log viewing.
  - Achieved over **95% face recognition accuracy** in well-lit environments using OpenCV and Haar Cascade classifiers.
  - Handled data storage and logging through **CSV files**, with options to scale to **MongoDB** for larger deployments.
  - Technologies: Python, Tkinter, OpenCV, Pandas, NumPy, datetime.

- **TaskNest-FullStack (2025):**
  - Developed a full-stack task management web app featuring core to-do list functionalities with clean and responsive UI.
  - Implemented **CRUD** operations using Spring Boot and MySQL, following the MVC architecture for maintainability and scalability.
  - Validated workflows via **Postman** and manual testing, ensuring **~98% accuracy** in task creation, update, and deletion operations
  - Optimized database queries and designed a responsive HTML/CSS frontend, ensuring **<120ms response time** and smooth user experience across screen sizes.
  - Technologies: Java, Spring Boot, HTML, CSS, MySQL.

EDUCATION

SRM University   Aug 2022 – Jun 2026
B.Tech in Computer Science and Engineering   *CGPA: 7.96/10*

Relevant Coursework: Machine Learning, Data Structures and Algorithms, Databases, Operating Systems, Computer Networks, Artificial Intelligence, Data Analytics

LANGUAGES SPOKEN

English (Fluent), Hindi (Fluent), German (Basic)

AWARDS AND CERTIFICATES

- Certificate in Machine Learning using R by IBM
- Secured 3rd place in college-level documentary-making competition