

SHIVAM KUMAR MISHRA

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OBJECTIVE

Final-year B.Tech AIML student aspiring Software Engineer with strong foundations in DSA,C++, and full-stack development. Passionate about building scalable and real-world applications.

EDUCATION

B.Tech in Computer Science Engineering (AIML) St. Andrews Institute of Technology and Management
2022 – 2026

PROJECTS

Real-Time Face Detection Recognition System *Python, OpenCV, Keras, Jupyter Notebook*

- Built real-time face detection and recognition using OpenCV and deep learning.
- Stored detected faces with labels, timestamps, and confidence scores.
- Maintained structured dataset with CSV and JSON logs for analysis.
- Utilized Jupyter Notebook for prototyping and model experimentation.

Hospital Patient Management System *FastAPI, Python, SQLAlchemy, MySQL*

- Developed a RESTful API for managing patient records, appointments, and medical history.
- Implemented CRUD operations with SQLAlchemy ORM and Pydantic models for data validation.
- Designed a secure and scalable backend with modular endpoints for healthcare workflows.
- Used VS Code and MySQL Workbench for development and database management.

Book Recommendation System *Python, ML, Pandas, HTML, CSS, JavaScript*

- Developed a recommendation engine using collaborative filtering techniques.
- Processed and cleaned large datasets to improve recommendation accuracy.
- Built an interactive frontend UI with HTML, CSS, and JavaScript for users to receive personalized book suggestions.
- Worked with Jupyter Notebook for data analysis and algorithm development.

SKILLS

Languages: C++, Python, Java, SQL

Frontend: HTML, CSS, JavaScript, React.js

Backend: Python, FastAPI, Django, Node.js

Databases: MySQL, MongoDB

Libraries/Tools: OpenCV, Pandas, NumPy, SQLAlchemy

Development Tools: Git, VS Code, IntelliJ IDEA, Jupyter Notebook, Android Studio, MySQL Workbench

Problem Solving: 500+ DSA problems solved on LeetCode

CERTIFICATIONS ACHIEVEMENTS

- Software Engineer Certification – HackerRank
- Data Analyst Certification – HackerRank