

# AYUSH PRATAP SINGH

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## EDUCATION

### Master of Computer Applications

GNIOT, Greater Noida  
2024–2026 | CGPA: 8.1

### Bachelor of Computer Applications

SMS, Varanasi  
2021–2024

### Intermediate (10+2)

Swami Harsewanand School  
2021

### Matriculation (10th)

Swami Harsewanand School  
2019

## TECHNICAL SKILLS

### Languages

Python, Java, C, C++

### Web Development

HTML5, CSS3, JavaScript,  
REST APIs

### Frameworks & Tools

Flask, Git, GitHub, VS Code,  
Postman, Jupyter

### Databases

MySQL, PostgreSQL, Oracle,  
SQLite

### Data Science & ML

pandas, NumPy, scikit-learn,  
matplotlib, EDA

### Core Concepts

DSA, OOP, DBMS, OS,  
Networks, SDLC

## CERTIFICATIONS

### Python Programming

HackerRank, 2025

### CSS (Basic)

HackerRank, 2025

### Software Engineering Simulation

Accenture, 2025

### Web Development

Aaradhya Technologies, 2022

## PROFESSIONAL OVERVIEW

MCA final-year student and aspiring Software Developer with hands-on experience building full-stack web applications and machine learning models. Proficient in Python, Java, Flask, REST APIs, and SQL databases. Strong foundation in DSA, OOP, DBMS, and Agile SDLC. Passionate about writing clean, scalable, production-ready backend and data-driven solutions.

## PROJECTS

### Full-Stack Social Media Web App

Flask · SQLite · HTML5 · CSS3 · JavaScript | 2024

- **Engineered** a full-stack app with secure auth (login/register/logout), supporting 100+ user interactions.
- **Implemented** RESTful CRUD operations with image upload, improving content management efficiency by ~40%.
- **Integrated** SQLite with session management for optimized data storage and access control.
- Designed fully responsive UI using HTML5 and CSS3 for cross-device usability.

### Loan Approval Prediction Model

Python · scikit-learn · pandas · NumPy · matplotlib | 2024

- **Developed** a supervised ML model achieving 80%+ prediction accuracy on a real-world financial dataset.
- **Performed** end-to-end EDA and preprocessing using pandas and NumPy on structured financial data.
- Trained Logistic Regression and Decision Tree classifiers via scikit-learn, automating approval decisions.

### Staff Management System

Python · MySQL · HTML · CSS · JavaScript | 2023

- **Built** a secure platform managing employee records, attendance, leave, and payroll for 50+ entries.
- **Automated** manual workflows, reducing operational effort by ~30% via Python and MySQL backend logic.
- Enforced data integrity through parameterized queries and structured backend validation.

### Weather Forecast Web App

Python · Flask · REST API · JavaScript | 2023

- **Integrated** third-party REST APIs to fetch real-time weather data for multiple cities.
- Implemented structured error handling and dynamic UI updates with adaptive background rendering.

## ADDITIONAL INFORMATION

- Familiar with AI-assisted dev tools: GitHub Copilot, Claude AI, and Agentic AI workflows.
- Working knowledge of SDLC including requirements, design, development, testing, and deployment.
- Strong analytical and problem-solving skills; rapid learner in fast-paced environments.