

# RESHITA CHAUDHARY

AI Engineer | Python & Machine Learning Engineer

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## SUMMARY

Final-year Computer Science Engineering student specializing in Machine Learning pipelines, Computer Vision, and AI deployment. Proven expertise in building Predictive Models and Cloud Architectures to solve complex data challenges using Python and AWS.

## TECHNICAL SKILLS

**Programming:** Python, Java, PostgreSQL

**AI & Machine Learning:** Supervised/Unsupervised Learning, Feature Engineering, EDA, YOLOv8, CNN

**Deep Learning:** Artificial Neural Networks (ANN), Generative AI (LLMs), Prompt Engineering

**Cloud & Databases:** AWS (S3, EC2, IAM, CloudWatch, Route 53), PostgreSQL, MongoDB, IBM Cloud

**Tools:** Git, GitHub, Jira, VS Code, Jupyter Notebooks

## EDUCATION

### Bachelor of Technology in Computer Science Engineering

2022 – 2026

Meerut Institute of Engineering and Technology (MIET)

CGPA: 8.4

Minor: Project Management

## INTERNSHIP EXPERIENCE

### AI-Based Surveillance System for Park Safety

Infosys Springboard

AI / Computer Vision Internship Project

Virtual | Dec 2025 – Feb 2026

- Engineered an AI-driven video surveillance system using YOLOv8 to automate real-time monitoring.
- Trained and fine-tuned the YOLOv8 object detection model for 50 epochs for high-accuracy activity detection.

### Artificial Intelligence & Cloud Intern

EduSkills Foundation

IBM Cloud Computing and Artificial Intelligence (AI)

Sep 2025 – Oct 2025

- Developed and deployed an AI-powered Travel Planner application using IBM cloud services.
- Applied AI techniques and cloud fundamentals to optimize application deployment logic.

## PROJECTS

### ScamShield – Intelligent Scam Detection Platform

Machine Learning, AI

[Live Demo](#) | [GitHub](#)

- Architected an end-to-end ML platform using Scikit-learn to classify fraudulent content with high Precision.
- Optimized data pipelines through Feature Engineering to ensure model robustness against adversarial data.

### AI Travel Planner

Python, Streamlit, AI

[Live Demo](#)

- Developed a Generative AI application utilizing LLM integration to automate personalized itinerary generation.
- Implemented dynamic recommendation algorithms to process user constraints and maximize efficiency.

### Banking Management System (GUI Mini Project)

Python, Tkinter

- Engineered a secure desktop application with Python and Tkinter, implementing encrypted logic for account safety.
- Developed modular back-end functions to manage ACID-compliant transactions and real-time inquiries.

## CERTIFICATIONS

### AWS Certified Cloud Practitioner

AWS

### Cloud Computing Junior Analyst

NCVET

### Project Management Fundamentals

Google

### MongoDB Certification

MongoDB Atlas

### Introduction to Cybersecurity

Cisco Networking Academy

## ACHIEVEMENTS & HACKATHONS

### Winner – Hackloop Hackathon

Seismic Activity Analysis of Mars

- Won 1st Place at Hackloop by spearheading an analysis of Martian seismic signal patterns to interpret geological behavior.

### Swag Winner – Google Developer Student Club (GDSC)

- Recognized as a winner at GDSC for active participation, technical engagement, and contributions to community learning.

## LEADERSHIP & ACTIVITIES

### Coordinator – Kalakrit Committee (College Cultural Committee)

- Led and managed a team of 25 members, overseeing task allocation for major college cultural events.

## SOFT SKILLS

Adaptability | Communication | Teamwork | Problem Solving