

Prerna Sharma

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Education

Mahila Engineering College, Ajmer

B.Tech in Computer Science & Engineering

Expected: 2026

CGPA: **8.73/10**

Objective

Motivated and detail-oriented Computer Science student with strong foundations in **Python, Machine Learning, and Artificial Intelligence**. Skilled in problem-solving, software development, and collaborative projects. Seeking an opportunity to contribute technical expertise in **AI, Federated Learning, Data Structures & Algorithms, and Cloud Computing** in a dynamic organization.

Technical Skills

Programming Python, AutoML, Federated Learning, Git, Cybersecurity Basics

Core Areas Machine Learning, Artificial Intelligence, Data Structures & Algorithms, Database Management, Cloud Computing

Soft Skills Problem-Solving, Teamwork, Communication Skills

Projects

Federated Learning UAV Project

Academic Project

- Designed a federated learning framework for UAVs to optimize on-device training and predict battery level, improving reliability of drone operations.
- Implemented client model updates and aggregation (FedAvg); evaluated accuracy and stability across multiple clients using Python and AI techniques.

AutoML Teachable Machine

Personal Project

- Built a low-code/no-code pipeline to quickly train and deploy classification models with minimal coding effort.
- Enabled dataset import, model training, and export of predictions using Machine Learning and Cloud Computing tools.

AI-Powered Autocorrect Tool

Personal Project

- Developed a neural-network-based autocorrect tool to enhance text accuracy and fluency using Python and AI frameworks.

Internships & Training

NIT Delhi

Jun–Jul 2025

Training: Machine Learning Algorithms and Applications.

Pinnacle Labs

Mar–Apr 2025

Internship in Artificial Intelligence.

Learn and Build

May–Jun 2024

Training in Ethical Hacking and Cybersecurity.

Certifications & Courses

- Google Cloud Generative AI Training Program (Ongoing, 2025)
- AI Tools Workshop – Be10X (Aug 2025)
- HP LIFE: AI for Beginners (Jul 2025)
- Introduction to Cybersecurity – NASSCOM (Apr 2025)
- Career Essentials in Generative AI – Microsoft & LinkedIn (Nov 2024)
- AMCAT Certificate
- Coding Challenges: Unstop, CodeQuest 21 – Naukri Campus