

# Prerna Sharma

22cse090@gweca.ac.in — linkedin.com/in/prerna-sharma-857660258 — github.com/22cse090

## 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

---

<b>Programming</b>	Python, AutoML, Federated Learning, Git, Cybersecurity Basics
<b>Core Areas</b>	Machine Learning, Artificial Intelligence, Data Structures & Algorithms, Database Management, Cloud Computing
<b>Soft Skills</b>	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

Training: Machine Learning Algorithms and Applications.

*Jun–Jul 2025*

### Pinnacle Labs

Internship in Artificial Intelligence.

*Mar–Apr 2025*

### Learn and Build

Training in Ethical Hacking and Cybersecurity.

*May–Jun 2024*

## 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