

RADHIKA GOSAIN

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PROFILE SUMMARY

B.Tech AI & ML student (3rd year, CGPA: 9.09) with hands-on experience in machine learning, deep learning, and AI-powered application development. Skilled in building end-to-end ML pipelines and AI-powered web applications. Passionate about applying intelligent systems to real-world problems.

SKILLS

Programming Languages: Python

Web Development: HTML, CSS, Streamlit

Machine Learning: Supervised Learning, Unsupervised Learning, Deep Learning (CNN, RNN)

Database: SQL

Tools & Libraries: NumPy, Pandas, Matplotlib, PyTorch, Scikit-learn, dlib

PROJECTS

SnapClass

July 2026

- Developed an AI-powered attendance management system using face recognition and voice authentication for secure student verification.
- Built separate teacher and student dashboards with subject management, attendance tracking, and QR code-based subject enrollment.
- Integrated Supabase for authentication and storage of student, teacher, subject, and attendance records.
- Implemented facial embedding generation and voice embedding techniques for biometric-based attendance verification.

Handwritten Digit Classification (CNN vs RNN)

Apr 2026 – May 2026

- Implemented and benchmarked CNN and RNN models using PyTorch on the MNIST dataset.
- Applied data preprocessing and normalization; achieved 97% accuracy with RNN and 93% with CNN.
- Evaluated model performance using confusion matrix and accuracy metrics.

AI Personal Assistant using Groq API

June 2026

- Built a conversational AI personal assistant powered by Groq API using LLaMA 3 for ultra-fast LLM inference.
- Integrated OpenAI-compatible API calls with multi-turn conversation history and context management.
- Implemented Python-based backend handling real-time API requests, response streaming, and user interaction flow.

INTERNSHIP

Python Developer Intern — Pennep

June – July 2025 (45 Days)

- Developed and maintained Python-based modules in a professional team environment, following industry-standard coding practices.
- Gained hands-on experience with Python programming, debugging, and collaborative software workflows.

EDUCATION

B.Tech in Computer Science (AI & ML) | 2023 – 2027

Apeejay Institute of Management and Engineering Technical Campus | **CGPA: 9.09**

Class XII (CBSE) | 2022

Chanakya International School | **87.6%**

Class X (CBSE) | 2020

Chanakya International School | **93.8%**

ACHIEVEMENTS & CERTIFICATIONS

- Secured 2nd position in Inter-College Coding Competition "PLASMA" at Lyallpur Khalsa College, Jalandhar.
- Selected among Top 30 teams out of 100 in a Hackathon organized by Gulzar Group of Institutions, Khanna.
- Secured 2nd position in "Data Preprocessing and Data Handling" event at AIMETC.
- Certified in Machine Learning from Apna College.
- Certified in Python from Code with Harry.