

ADARSH GOYAL

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EDUCATION

- ❖ Electrical Engineering | MITS, Gwalior
SGPA: 8.05 | (IV) SEM
- ❖ XII (MP-BOARD) | Touch Stone Public School
Scored 76% in 12th focusing on (P, C, M) 2022

SUMMARY

A Highly Motivated and detail-oriented Data Science student with hands-on experience in Machine Learning, Deep Learning, LLMs, and Generative and Agentic AI. Proficient in Python, SQL, and Excel. Passionate about solving real-world problems through data-driven solutions and AI innovations.

EXPERIENCE

CodeAlpha

October – December 2024

- Develop a (FAQ chat-bot, Language Translator targeting Multilanguage, RealTime object detection ML Model)

MANIT BHOPAL

June – July 2025

(AI/ML - ROBOTICS) Research intern

- Develop a deep learning model with **98% accuracy** for Fall detection in the movement of Squat Jump. And Data is collected, pre-processed, cleaning and analysis physically for this model using Kestler Force plate

SKILLS

Programming Languages: Python, C++, SQL

Machine Learning Libraries: Matplotlib, Scikit-learn, Pandas, PyPlot, Seaborn, SciPy

Deep Learning Frameworks: TensorFlow, Keras, PyTorch

Frontend Technologies: HTML, CSS, Stream Lit

Backend Technologies: Flask, Django

Databases: MySQL

Version Control Tools: GitHub, Amazon Web Services, GitBash

Competitive Programming: C++, Python, Data Structures and Algorithms

Relevant Coursework: Database Management Systems, Discrete Structures, Statistics and Probability

PROJECTS

- ❖ **Fall Analysis and Detection Using Deep Learning**
Built a Deep Learning model on Squat Jump Movement for Fall or safe jump condition with **98% Accuracy and 0.8% loss**. Data for this project is collected physically using Kestler Force plate.
- ❖ **AI Agent Integrated Voice Assistance mini-robot**
Created a smart voice-controlled AI assistant bot with system control, web browsing, messaging, and real-time utility checks. Integrated Gemini API and robotic movements to enable human-like interaction and enhanced task automation.
- ❖ **Face Detection attendance system using Python**
In this project firstly we collect all the faces datasets and then train our model. if face is detected in live camera, then the attendance is marked in the excel file.
- ❖ **Real Time Nest word predictor based on previous word using RNN-LSTM**
Developed a real-time next-word prediction engine with **90% accuracy**. The system intelligently predicts the next three possible words based on the entire sequence of previously typed words using RNN-LSTM model

PUBLICATIONS/RESEARCH PAPER

- ❖ Review paper on Le-ion Battery and Solid-State Battery
- ❖ Force Plate Squat Jump Fall Analysis and Detection using Deep Learning

CERTIFICATION AND ONLINE COURSES

- ❖ Prof. Data scientist certificate – Data Camp
- ❖ Artificial intelligence - Genz Educating
- ❖ Artificial intelligence - Udemy
- ❖ 2x Python for Data Science - IIT Madras (NPTEL)
- ❖ SQL – Data Camp

ACCOMPLISHMENTS

- ❖ Got 2nd rank in data science competition in Data camp.
- ❖ Finalist of National Level Hackathon (Hack orbit 2025)

HOBBIES AND INTEREST

- ❖ Exploring about technologies and of AI
- ❖ Playing online games
- ❖ Exploring AI-ML related work and open-source contribution