

MD ARHAN MANSOORI

Software Developer — Bhopal, MP

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Education

Sagar Institute of Science and Technology

Bachelor of Technology in Artificial Intelligence and Data Science (CSE-AI&DS)

Sep. 2021 — May 2025

Bhopal, MP

Relevant Coursework

- Data Structures
- Machine Learning
- Artificial Intelligence
- Deep Learning
- SDLC
- Database Management
- Internet Of Things
- Agile Methodology

Experience

Affy Cloud IT Solutions

April 2024 — Present

Software Developer

- Developed and maintained RESTful APIs for machine learning and deep learning models, enhancing backend capabilities and reducing API response time by 20%.
- Integrated large language models (LLMs) into backend systems, streamlining AI-driven processes and improving prediction accuracy by 25%.
- Created and optimized APIs using Django for machine learning projects, resulting in a 35% reduction in development time.
- Collaborated with a cross-functional team to define backend requirements, ensuring smooth integration of AI services and reducing integration issues by 30%.
- Managed backend version control and collaboration using Git, improving project organization and team productivity by 15%.
- Implemented authentication mechanisms to secure APIs for AI applications, enhancing data security and reducing unauthorized access by 40%.
- Contributed to the development and deployment of generative AI solutions, optimizing performance and increasing processing speed by 10%.

Professional Projects

Project Management system | AI Integration in Backend , Automation , Project Management

(Sep – Oct 2024)

- Developed a fully functional Project Management System with a specific focus on AI-driven automation in backend .
- Designed and integrated an AI component that automatically generated projects , modules and tasks by passing a template, streamlining project setup and planning processes.

Real Time Stock Price Prediction | Python , Machine Learning , Deep Learning , LSTM , Time Series

(Sep – Oct 2024)

- Developed a real-time stock price prediction system using machine learning models for minute, hourly, and daily forecasting.
- Integrated live stock market data feeds and applied advanced time series analysis techniques for precise predictions.
- Deployed a deep learning model that leverages LSTM (Long Short-Term Memory) networks to provide accurate and actionable insights for trading.

Personal Projects

Object Detection Using OpenCV-Python | Python, OpenCV, Machine Learning, Deep Learning

(Dec 2023 – Feb 2024)

- Developed an Object Detection System using Python and OpenCV with SSD MobileNet v3 for real-time object detection in images and videos.
- The system supports multiple object categories and is suitable for applications like surveillance and autonomous vehicles.

Chat with PDF using Local LLM | LangChain, Chroma DB, LLMs

(Jul 2024 – Aug 2024)

- Built a document retrieval and question-answering system using LangChain and Chroma DB, powered by the Ollama Llama 3.1 model.
- Enhanced search accuracy and relevance using a multi-query retriever and AI-driven NLP techniques.

Face Recognition Attendance System | Python, OpenCV, Firebase

- Developed a Face Recognition Attendance System using Python, integrating real-time data storage with Firebase and Excel for record generation.

Automatic Number Plate Recognition System | Python, OpenCV, YOLOv8

(Jun 2023 – Aug 2023)

- Created an ANPR system using YOLOv8 and EasyOCR for real-time detection and recognition of vehicle license plates.

Technical Skills

Languages: Python, C Programming, C++ Programming, Javascript, HTML/CSS.

Developer Tools: VS Code, GitHub, PyCharm, Jupyter Notebook, Linux.

Frameworks: Django, Django REST Framework, Flask, RESTful APIs.

Databases : *MySQL , Firebase, SQL Server.*

Technologies & Concepts : *Machine Learning, Deep Learning, APIs, LLM (Large Language Models), AI, MySQL, Data Structures, Time Series*

Specializations : *APIs Testing, Backend Development using Django REST Framework , AI Integration in Backend Response*

Certifications

AIML for Geo-Data Analysis – By ISRO <i>Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO)</i>	(Aug 2024)
Python Programming <i>MySirG.com</i>	(Jan 2021)
Machine Learning <i>NIT Bhopal</i>	(Feb 2023)