

Muhammad Salman

Python and AI Developer

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Summary

Dedicated Developer specializing in Python FastAPI and AI Development. Passionate to transform ideas to reality using Machine learning and Generative Ai.

Experience

ML Engineer | AxcelerateAI

Nov 2024 - Feb 2025

Developed end to end ML projects using Tensorflow/Pytorch, Generative ai projects using LLMs and APIs, FastAPIs with complete auth system to interact with AI and ML projects, deployed FastAPIs to cloud using Nginx and Docker.

Ai Developer internee | Compute Universe

July 2023 - June 2024

Worked on developing Ai Applications using LLMs and TensorFlow Framework, LangChain and OpenAI to build Production ready applications. Used TensorFlow and YOLO to build classification and object detection projects.

Python and Machine Learning Developer | Fiverr

October 2022 – December 2022

Developed Python and Machine Learning Projects like Spotify Data Analysis, Intrusion Detection, Sentiment Analysis and others on Fiverr Freelancing. Extracted and visualized insights from data using SQL, Tableau, Spreadsheets and Python.

Projects

Text Master GenAi Web Application (Django and LLMs)

Developed Generative Ai Web Application using Django with complete authentication system and GenAi text analysis features: text summarization, text to speech, speech to text, Ai generated text analysis using LLMs and language translation. The demo of the web application is on the portfolio website.

Products Searching from web and user Gmail Inbox Reading FastApi

Developed FastApi for products searching from web and user Gmail Inbox Reading and with authentication system and google oauth2 consent screen to read user Gmail inbox and parse them using **gemini api** to find promotional emails and store them in **mongodb**. We have used **serpapi** and **beautifulsoup4** for product searching and product information extraction from the web. The application was deployed on AWS EC2 using **Docker** and **Nginx**.

Oxford 102 Flowers Classification using Deep Learning Tensorflow

Oxford 102 Flowers is an image classification dataset consisting of 102 flower categories. Each class consists of between 40 and 258 images. We have developed Transfer learning **Resnet50** classification model achieving the accuracy of 86 percent and loss 46.

Skills

- Python, FastAPI, Git, Docker and Nginx
- TensorFlow, Scikit-learn, Pandas, Matplotlib
- LLMs and Langchain
- MySQL and MongoDB
- Data Analytics and Data Visualization
- Tableau, Spreadsheets
- Communication and Problem Solving

Certifications

- Machine Learning (NAVTTTC)
- Python and Problem Solving (Hackerrank)
- TensorFlow (Deeplearning.Ai)
- Deep Learning (Deeplearning.Ai)
- Google Data Analytics (Google)
- Microsoft Azure Ai 900 (Microsoft)

Education

BS Artificial Intelligence | The Islamia University of Bahawalpur

2020-2024

- CGPA: 3.89
- **Relevant Courses:** Machine Learning, Deep Learning, NLP, Computer Vision, Data Mining, Programming for Ai (Python), ANN