ADITYA SAKPAL

MERN STACK DEVELOPER/MACHINE LEARNING ENGINEER/AZURE DEVELOPER

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EXPERIENCE

MLOPS | Finplex Solutions | 3 months : Worked on a chatbot for IPPB | Used Flask | Used Open AI API Exprimented with various LLMs | Used Qlora for fine tuning | Data Preprocessing | Contributed in FrontEnd dev

MLOPS | HFT Solutions | 3 months : Developed an entire web app for finding missing persons for Rajasthan Police | Used AWS Rekognition model | Wrote Production Level Code | Logging Configuration | WinSCP | Used FastAPI Developed an entire telegram-bot | Used Telegram API

AI Dev | IGSRS Solutions | 2 months : Fine Tuned BERT model for NER task on resumes | Developed chatbot using RASA framework and React JS | Web Scrapping | Data Preprocessing | Backend Integration with FastAPI

EDUCATION

Somaiya VidyaVihar University (B.S.C.IT) : Average CGPA per Sem - 9.00
St . Sebastian's High School (S.S.C) : Percentage - 87%

PROJECTS

HIRENET : Group Project | Developed during GFG Hackathon | Matching platform where job seekers and recruiters connect seamlessly | My primary responsibilities included crafting a chatbot, utilizing Hugging Face Models to suggest similar jobs based on search queries, and contributing to frontend tasks | Tech Stack : React JS , Node JS , Express JS ,MongoDB Atlas ,Hugging Face Models ,HTML , CSS and JS

Personalized Video Streaming Platform : Customizable Feed | Functionalities similar to YouTube | Videos are ranked based on the sentimental score obtain through the comment section of each video | Tech Stack : Python(Flask), React JS ,Firebase,YouTube API,HTML,CSS and JS

Time Traveller Bot : Group Project | Developed during Google-Vertex AI Hackathon | Bot that provides responses and images for every query related to history | Dealt with the image generation part and contributed to the frontend as well as backend | React JS , Python , FastAPI, Plam2's API , Stable Diffusion's API ,HTML,CSS and JS

Finding missing persons bot : Users upload images of their missing loved ones, triggering real-time searches using AWS Rekognition , if a match is found in the database of images uploaded by authorities, users are notified to visit their nearest police station| Tech Stack : Python ,FastAPI , AWS Rekognition ,PostgreSQL, HTML ,CSS and JS

AI Talkbot : Input / Output via Audio | Used Open AI API | Tech Stack : Python(Flask), Open AI API ,HTML,CSS and JS

GYM Management System : User management / Membership management and Transaction management | Inbuilt supplement store | IntegratedRazorPay payment gateway | Google captcha foruser authentication | Tech Stack : PHP, HTML, CSS, JS, Razor Pay's Payment Gateway, Google Captcha and MySQL

Universal Image Classifier : Can classify any sort of image | Used Xception model | Tech Stack : Python(Flask), HTML,CSS and JS

Web Scrapping for BlackCoffer : Extracted text data from 115 urls | Data Preprocessing | Performed NLP operations | Evaluated 12 different variables for each url | Pushed the output in a excel file | Tech Stack : Python

Sentimental Analysis : Performed in CODEICON 2022 Hackathon | Performed sentimental analysis on General Mills company's reviews (50,000 records) | Rated each review from 1-5 | Used Valdor model | Tech Stack : Python

Perdictive Model : Predicted vine variety using Sensegrass company's dataset (100000 records)| Data Preprocessing | Evaluated 5 most impactful features | Created an API using Flask | Tech Stack : Python(Flask)

CERTIFICATIONS

Azure Machine Learning (AI-900) by Microsoft

Azure Developer (AZ-204) by Microsoft

Unsupervised Machine Learning by Stanford University

Supervised Machine Learning by Stanford University

AI Workflow by IBM

Deep Learning by DeepLearning.ai

Cloud Data Management by Oracle

Machine Learning Specialization

React JS by META

Advanced ML Algorithms by Stanford University

SQL by Oracle

Python Libraries by UpGrad

Crash Course on Python by Google

JAVA by Great Learning

Data Modelling by MongoDB

MongoDB Atlas by MongoDB

Git Professional by Edureka

OTHER ACHIEVEMENTS

. **Scored 141 in National Aptitude Test of Architecture**

. **Competitive Programming Rating 707**

. **Competed in CODEICON 2022 ,Google-Vertex AI Hackathon 2023 and GFG Hackathon 2024**

. **Secured 2nd rank in Sem 3, 4th rank in Sem 2 and 5th rank in Sem 4**

TECHNICAL SKILLS

Languages : Python, CPP , HTML , CSS and JS

Frameworks : React JS, Express JS, FastAPI, Flask and .NET

Databases : MySQL, PostgreSQL, MongoDB, Oracle and Firebase

Development Tools : GitHub, PostMan Collection,WinSCP(Putty) ,Visual Studio and Android Studio

SOFT SKILLS

. **Logical Ability**   . **Leadership**   .**Time Management**   . **Confidence**