

linkedin.com/in/usaiddmulla
github.com/iusaiddmulla

Usaid F. Mulla

(+91)7350939560

usaiddmulla99@gmail.com

Employment

AI Software Developer | InspireXT Consulting Pvt Ltd. | May 2024 – Present.

- Natural-AI Team: Worked on AI based Chatbot for various types of data sources such as chat with Pdfs, Docx/Docs, .txt, CSV-Agents & huge bunch of text files etc.
- Building Chatbots using RAG, Lang Chain Frameworks & Gen AI techniques, LLMs, transformers & pre-trained hugging face architectures.
- While building Chatbots worked on Pre-training, Fine-Tuning, Prompt Engineering, Evaluation & iteration, Deployment & Maintenance.
- Approaches: Storing Embedding's & Vector-DB (FAISS, Chroma DB), Conversation Chain, RAG+LLM Pipeline, Chat OpenAI Models, Hugging-Face Models, Ollama & OCI (Oracle Cloud Infrastructure), Azure DevOps Repos, Streamlit/Flask, Node.js, Restful-API etc.
- Version Control: Azure-DevOps Repos, Git, etc.

AI Engineer Trainee | Aira Matrix Pvt Ltd. | July 2022 – May 2024.

- Prostate Cancer Team: Worked on Proprietary Patient Health Record Data
- Integrated relevant features from Whole Slide image of Prostate & Calculating ISUP Gleason Grade Score of Benign and Malignant glands.
- Approaches: Segmentation, ANN, Image Processing, OpenCV, PIL
- Task: Classification; Semantic Segmentation; Metrics: Dice Score, AUC/ROC Score, Balance Accuracy.
- Got an increase of Dice from 0.67 (Baseline) to 0.83

Data Science Intern | MVG Innovations | May 2022 – July 2022.

- Project: Data analysis or analytics on political data.
- Primary Goal: Data gathering, data quality check, feature engineering, data pre-processing, EDA (exploratory data analysis), model building.

Education Details

Pune **Pune University** **Aug 2018 – May 2021**

- MCA (Master of Computer Application), May 2021. CGPA: 8.17/10

Thane, Mumbai **YCMOU University** **Sept 2015 – July 2018**

- BCA (Bachelor of Computer Application), July 2018. Percentage: 61.45

Projects

- **Tabular Open-Problems-Single-Cell-Perturbations on Kaggle (Oct-2023):** Predicting 18k multi feature cells of genes; Metrics: **Mean Row wise Root Mean Squared Error**; Leaderboard: 219/1097
- **UBC Ovarian Cancer Subtype of Image Classification on Kaggle (Dec-2023):** Classification five common subtype of cancer & images are in the form of WSI (Whole Slide); TMA (Tissue Microarray). Metrics: Balanced Accuracy; Leaderboard: 451/1327
- **E-Commerce Analytics End to End Deployment (2022):** Predicting future customer's behavior as per their RFM (Recency, Frequency and Monetary) scores; applying unsupervised learning (KMeans clustering)
- **Analysis on World Covid-19 Data (2021):** Tech Slack: Python Beautiful Soup for Web Scraping & data wrangling, EDA, feature engineering, for visualization Power BI, Tableau.

Certification and Courses

- OCI (Oracle Cloud Infrastructure AI Foundation) - 2024
- OCI (Oracle Cloud Infrastructure AI Professional) - 2024
- Post Degree in Data Science from Imarticus Learning Pvt Ltd, Andheri, Mum (1 Year) 2022
- Microsoft Certified Azure AI Fundamentals
- Data Science with Python,
- Assoc. Tableau Desktop and Power BI masters.

Skills, Languages, and Technologies

- Skills: NLP; Gen AI; RAG-LLM; Chat-OpenAI; Computer Vision; Traditional Machine Learning (Regression, Classification, Clustering); Deep Learning; Data Processing; CNN; Image Classification/Segmentation; Object Detection etc.
- Languages: Python; Java; C# .Net; C++; R Statistics, SQL, PL-SQL;
- Technologies: PyTorch; Tensorflow/Keras; Pyvips; OpenSlide; LangChain; Scikit-learn; Pandas/NumPy; Google Cloud; AWS; OCI; VSCode; OpenCV; Linux/bash; Flask/Streamlit;
- Visualizations: Microsoft Power BI; Tableau; Seaborn; Matplotlib.