

Profile

Seeking a challenging position as a Machine Learning Engineer, where I can utilize my expertise in developing and implementing cutting-edge algorithms and models. With a strong background in Machine Learning and programming, I am excited to contribute to a vibrant team and drive innovation in the field of AI.

Experience

Machine Learning Engineer	Wiseyak Inc	Sep 2023-Nov 2023
<ul style="list-style-type: none">Spearheaded the rapid development of a versatile API supporting audio-to-text conversion in 10+ languages, with a focus on healthcare applications.Led the fine-tuning of the Whisper largeV3 Model using medical audio data, enhancing its accuracy and applicability within the health domain.Implemented advanced audio diarization capabilities in the API, enabling precise handling of multiple speakers for detailed medical conversation analysis.Created a sophisticated medical chatbot integrated with the enhanced Whisper largeV3 Model, offering a knowledgeable interface for healthcare-related inquiries.Optimized development and deployment efficiency by establishing a CUDA-supported CI/CD pipeline, ensuring accelerated model training and deployment phases with GPU acceleration.		
Data Science Intern	Prodigy InfoTech	Jun 2023-Aug 2023
<ul style="list-style-type: none">Develop action plans to mitigate risks in decision-making while increasing profitability by leveraging data science.Drive the interaction and partnership between the managers to ensure active cooperation in identifying as well as defining analytical needs, and generating the pull-through of insights with the business.Build predictive models using various machine learning tools to predict the possibility of model failure.Develop algorithms using Natural Language Processing and Deep Learning models for predictive maintenance.		
Machine Learning Engineer	Varcons PVT LTD	Aug 2022 - Oct 2022
<ul style="list-style-type: none">Demonstrated proficiency in integrating Heroku workflows, expertly utilizing APIs for data warehousing and extraction, and developing a sentiment analysis model based on API-derived data.Successfully implemented end-to-end MLOps CI/CD pipelines, showcasing expertise in continuous integration and deployment processes.Proficiently leveraged Tableau and PowerBI for impactful data visualization, while also possessing strong skills in frontend development using Streamlit and Flask.		

Education

Bangalore, India	Bangalore Technological Institute	Aug 2019 - May 2023
<ul style="list-style-type: none">Bachelor of Computer Science Engineering with a CGPA of 8.7/10.		

Technical Experience

Project
<ul style="list-style-type: none">Chat With PDF (Sep 2023) Chatbot implemented based on Retrieval Augmented Generation using LLMs of OpenAI library and Langchain. Embedding vector store on ChromaDB vector database.APS Failure Detection(POC) (Aug 2023) Leveraging MongoDB for efficient data storage and retrieval, efficient null value imputation through four optimization methods, implementing modular coding for adaptable pipeline usage, and ready for cloud platform deployment.Conversation Summarization (POC) (Jul 2023) Executed full-cycle NLP project focusing on conversation summarization, utilizing BERT model (google/pegasus-cnn_dailymail). Achieved containerization with Docker and primed project for cloud deployment.Twitter Sentimental Analysis(POC) (Aug 2023) Developed a user-friendly web app utilizing a machine learning model for sentiment analysis on stock-related tweets. Employed data collection, preprocessing, and a Random Forest classifier for insightful investment decision-making. Enabled real-time predictions, bridging finance and machine learning for informed market sentiment analysis.

Technical Stack

<ul style="list-style-type: none">DS/ML/AI; Python,Langchain, ANN/CNN techniques, Transfer Learnings, ViT transformers etc.Python Framework/Modules; Sklearn, Pytorch, keras, Numpy, Pandas, Opencv, NLTK, LLMs,Mlops Tools; DVC, Mlflow, git actions(CI/CD), Monitoring, Building REST APisWeb Dev: Html,Css, Flask(WSGI), Fast Api(ASGI), StreamlitProgramming and DB Language; Python3, Mysql, Mongodb, PostgresqlCloud based Deployment and containers; AWS, Elastic beanstalk, CodePipeline, EC2, ECS, ECR, Git, Docker,HerokuData Visualization: Tableau, PowerBi, Seaborn, Matplotlib
