

KEERTHI GANESH M

Data Science Enthusiast

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CAREER SUMMARY:

Highly motivated Data Scientist and Backend Developer having 2.4 + years of experience with a strong focus on building state-of-the-art solutions for internal and market-leading enterprises. Skilled in Machine learning, Python, Flask, and Data engineering technologies. Proven expertise in designing and implementing AI solutions, collaborating with researchers, and delivering valuable insights to stakeholders.

WORK EXPERIENCE:

Tata Consultancy Services |Research & Innovation Labs| (TCS-Chennai)

Developer | 27 May, 2021 - Present

- Developed Generative AI-based applications leveraging LLM and langchain framework using python , contributing to internal business cases.
- Spearheaded the development of a No-Code/Low-Code application from scratch, acting as an orchestrator for data science use cases using Flask and Elyra.
- Contributed in creation of TCS AI-Workbench, a robust ML platform for end-to-end solution deployment, from data loading to model building..
- Coordinated with Scientists and Researchers to architect, design, and engineer cutting-edge AI solutions.
- Successfully created proof-of-concept ML algorithms and containerized them for easy access.
- Demonstrated strong leadership skills by actively identifying and resolving complex technical challenges, ensuring the timely delivery of high-quality AI solutions

Data Engineering Experience(Azure Cloud):

- Extracted, transformed, and loaded (ETL) large data using Azure Data Factory for seamless data integration.
- Proficient in Azure services, including Azure Data Lake, Azure Blob Storage, Azure SQL Database/Synapse, Azure Functions, and Azure Logic Apps.
- Extensive experience in Microsoft SQL Server.

INTERNSHIP:

SmartBridge Educational Services Private Limited (ML Intern)

- Developed the project entitled "Health Insurance Cost prediction Using Watson Auto AI

PROJECTS:

Car Selling Price Prediction:

- Selling price of used car are predicted using various features like year in which car is brought, number of kilometer the car is driven etc. To build this Model Linear Regression Algorithm is used.

Gender Recognition by Voice:

- Identification of gender using the features of acoustic data like mean frequency, median, Q25, IQR etc. To build this Model Logistic Regression and Support Vector Machine Algorithm is used.

Household Power Consumption:

- Predicted the household power consumption using various Regression Algorithm.

Development of smart medidoc system for monitoring healthcare in IoT environment:

- Developed a real end Model , which helps to find the health parameters of human like Temperature,BP,weight, height and transmit the data to file using IoT with the help of Arduino.

EDUCATION:

2017 - 2021 | KPR Institute of Engineering and Technology

Bachelor of Engineering - Mechanical Engineering | 9.14

2014 - 2016 | Kamala Niketan Montessori School

12th | 76.8%

2013 - 2014 | R.S.Krishnan Higher Secondary School

10th | 77.9%

SKILLS:

- Programming Language : Python(OOPS),C++
- Machine Learning
- Generative AI
- Flask(Backend Framework)
- Docker(basics)
- Git
- Postman
- Streamlit
- Query Language : SQL
- Azure Data Factory
- Azure AI
- LLM Prompt Engineering
- NLP(basics)

CERTIFICATION:

- AI-900:Azure AI Fundamentals | Microsoft
- Machine Learning with Python | Coursera
- Data Analysis with Python | Coursera
- Machine Learning | InternShala
- MATLAB Onramp | MATLAB
- Python | NPTEL
- Deep Learning | Udemy
- NLP with Python | Udemy
- Generative AI | Udemy
- Prompt Engineering | Udemy