AMITHA AKEPATI

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LinkedIn – Akepati Amitha | GitHub – https://github.com/AAmitha | Portfolio -

Graduate Student at the University of Texas at Arlington with an interest in Python, Web Development, Golang, MySql, Machine Learning, AI.

Actively Looking for Software Development Full Time Opportunities Starting from May2024.

EDUCATION

- **Masters in data science**   **Graduating: May 2024**
  University of Texas at Arlington, Arlington, Texas
- **Bachelor of engineering in Computer Science**   **July 2021**
  Annamacharya Institute of Technology and Sciences, Rajampet, Andhra Pradesh, India

TECHNICAL SKILLS

Languages	Python, SQL, HTML/CSS, Golang
Application Software	Android Studio, Arduino, GIT
Technology & Tools	HPSB (Hewlett Packard Service Bus), Alteryx (ETL Tool), Visual Studio, PyCharm, Anaconda, Jupiter Notebook, GitHub, PowerBi (Business Intelligence Tool)

PROFESSIONAL EXPERIENCE

- **Associate Professional Software Engineer – DXC Technology**   **June 2021-Aug 2022**
  I worked with HPSB (Hewlett Packard Service Bus), a middleware tool, There I created components, managed permissions, and resolved issues in both development and production environments, ensuring smooth and scheduled Data transfer, even in cases of interruptions or unstructured data.

PROJECTS

- **Hackathon Smart Bridge in Collaboration with IBM**   **DEC (12-15) 2018**
  Developed Chatbot Using IBM Watson
- **Traffic Sign Classification**   **MAR – MAY 2020**
  Numpy, pandas, seaborn, torch, matplotlib, pylab, glob – python, ML
  Implemented a Machine Learning Traffic Sign Classification model with 98% accuarcy
- **Real time Face Mask Detection**   **MAY- JULY 2021**
  Pandas, numpy, sklearn, tensorflow, flask
  During Pandemic implemented a Face Mask detection model with 93.88% accuracy and here this model will detect the patterns using CNN and then detects the mask as object.
- **Performance comparison of ML algorithms for load forecasting in smart grid**   **AUG-DEC 2021**
  python- pandas, Numpy, Sklearn, Flask
  Developed highly accurate, optimized model for short term and long-term forecasting results using Machine Learning Techniques.
- **EDA, Classification and Multiple Regression Analysis**   **APRIL 2023**
  Applied Exploratory Data Analysis and Multiple Regression Analysis on Auto Imports Data
- **Railway Reservation System** (Python- Tkinter, Sqlite3)   **MAY 2023**
  Worked on developing a Railway Reservation System Application using Python Programming to develop a GUI interface, written SQL queries for input parameters from User.
- **Expense_8_Puzzle –** BFS, UCS, A*, Greedy   **AUG 2023**
  Developed a code for AI algorithms Breadth First Search, Uniformed Cost Search, A* Search, Greedy Search

CERTIFICATIONS

- HackerRank Python, Problem Solving   **06/2020 – No Expiry**
- Python for Data Science Cognitive Class by IBM   **06/2020 – No Expiry**
- Microsoft Azure Fundamentals   **12/2021 – No Expiry**
- Forage Virtual Internship PowerBI by PWC   **05/2023 – No Expiry**
- Alteryx Designer Core   **07/2023 – 07/2025**