

AMITHA AKEPATI

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LinkedIn – Amitha Akepati | GitHub – github.com/AAmitha | Portfolio - portfolio-eight-rho-85.vercel.app/

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

EDUCATION

- **Masters in data science** **Graduating: May 2024**
University of Texas at Arlington, Arlington, Texas
- **Bachelor of engineering in Computer Science** **June 2017 - July 2021**
Annamacharya Institute of Technology and Sciences, Rajampet, Andhra Pradesh, India

TECHNICAL SKILLS

Languages Python, MYSQL, 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 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% accuracy
- **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 with high accuracy.
- **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**
- Python for Data Science Cognitive Class by IBM **06/2020**
- Microsoft Azure Fundamentals **12/2021**
- Forage Virtual Internship PowerBI by PWC **05/2023**
- Alteryx Designer Core **07/2023 – 07/2025**