CHARAN S

Charan.s2702@gmail.com | 9739764968
github.com/charans2702 | linkedin.com/in/charan-s-67389727a

Skills

Programming Languages: Python, SQL.

Data Science/Machine learning/Deep learning: Python, Data Visualisation, Supervised learning algorithms, Unsupervised Learning algorithms, ANN, RNN, Transformers, EDA, Feature Engineering, Feature Selection and Extraction, Natural Language Processing.

Mathematics for ML & Data Science: Statistics, Algebra, Calculus, Matrics, Probability.

Python Packages and Frameworks: Scikit-Learn,Tensorflow, Keras, Pandas, Numpy, Matplotlib, Seaborn, NLTK.

Web Frameworks: Flask.

Generative AI: Langchain, LLMs, RAG, Vector Databases etc.

Databases: Mysql.

Problem Solving: Data structures and Algorithms.

Core Competencies: Communication, Presentation, Decision Making.

Education

Sri Venkateshwara College of Engineering, Bangalore Aug 2020 – May 2024

B.E. in Computer Science and Engineering –Artificial Intelligence

Relevant Coursework: Python Programming,Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Machine Learning, DeepLearning, Data Mining, Advance Data Structures and Algorithms, Natural Language Processing,Mathematics for Machine Learning.

Project Work

- **Retail Question and answer System Using Generative AI:** Developed an advanced retail question and answer system using generative AI technologies. The system is designed to interact with t-shirts database and provide accurate and contextual relevant answers to user queries. This Projects leverages combination of cutting edge AI tools and methodologies to enhance user experience in retail environments. Key components and technologies used in this project include Langchain, Large language model (GooglePalm), RAG, Vector databases, MySQL database etc.
- **Placement Prediction Using Machine Learning:** Developed a Placement Prediction system using Machine learning, Incorporating academic data and skills to forecast students placement outcomes. The project involves data preprocessing, feature Selection and model development-Random Forest Classifier to accurately predict whether the student would secure a job offers based on their academic and demographic attributes. Developed a user Interface using Flask for stack holders to input new data and receive real time Placement predictions. Technologies used in this project are python, scikit-learn, pandas, numpy,Falsk.
- **Email spam Classification:** Developed a email spam classification model leveraging Natural Language Processing and Machine Learning techniques. The project aimed to accurately differentiate between spam and ham emails, enhancing email security and user experience. Using TFI-DF vectorizer to convert text into numerical data and developed Artificial neural network using Tensorflow to classify emails into spam or ham. Technologies used in this project are python, Tensorflow, NLTK, Scikit-learn, pandas, numpy etc.

Internships

Hidusthan Aeronautics Limited, Bangalore Sep 2023 – Oct 2023

During my Internship at Hal Bangalore, I gained valuable insights into Aerospace Technology, focusing extensively on networking and routing concepts essential to AMC. Working alongside seasoned professionals, I actively contributed to projects involving networking and routing enhancing my understanding through hands on experience and mentorship.

Achievements and Certifications

- Solved 250+ problems in Leetcode -> https://leetcode.com/u/CHARANS27/
- Participated in shell.ai Hackathon for sustainable and affordable Energy.
- Coursera-Python Programming.

Additional Information

Languages: English, Kannada, Telugu.