Sucinthar S

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ABOUT

Enthusiastic and adaptable data enthusiast with solid SQL skills. Problem solver with a keen interest in data analysis, eager to contribute critical thinking skills to Google's collaborative atmosphere during the 24-month apprenticeship program.

EDUCATION

Vellore Institute of Technology (VIT), India (June, 2019 – May, 2023)

- **Major:** Bachelor of Technology in Computer Science. **(CGPA: 7.96/10.0)**
- **Coursework:** Data Structures and Algorithms, Operating Systems, Database Management Systems, Object-Oriented Programming, Internet and Web Programming, Cloud Computing, Machine Learning, Data Analytics, Image Processing.

EXPERIENCE

Software Developer at Mechonyx Automation Private Limited (Startup) (June, 2023 – Present)

- Contributed to the development of a fully autonomous, self-driven robot, leveraging expertise in sensor data analysis.
- Analyzed sensor data to enhance efficiency, increasing performance from 85% to 94% through the implementation of certain predefined model.
- Assisted in the development of a robust robotic asset manager and successfully deployed a corresponding web interface.

TECHINCAL SKILLS

- **Proficient:** Python, SQL, Google Workspace, MS Excel, Power BI, Tableau, Dart, Flutter, VS Code, Jupyter Notebook.
- **Familiar:** HTML, CSS, JavaScript, React JS, MongoDB, PHP, Git, Java, Azure, AWS, R, MATLAB.

PERSONAL PROJECTS

Wi-Fi CSI-Based Human Activity Recognition

- Achieved 98% accuracy in human activity recognition using Wi-Fi CSI data by implementing a BiLSTM neural network for advanced sequence modeling.
- Employed data pre-processing techniques to ensure high-quality input for the deep learning model, contributing significantly to project success.

Tech Stack: Deep Neural Networks, Keras, Tensorflow, Python, Scikit-learn

Deep Facial Recognition App

- Accomplished the development of a deep facial recognition app for One-shot Image Recognition using a Siamese Neural Network.
- Implemented a secure and efficient alternative to traditional email ID and password authentication, enhancing the authentication processes for various applications.

Tech Stack: Tensorflow, Python, Keras, OpenCV, Git, Flutter

Churn Prediction System

- Developed and deployed a robust Churn Prediction system with a Flask app, achieving high model accuracy.
- Implemented ensemble learning techniques, Customer Feedback Analysis for effective customer retention strategies.

Tech Stack: Python, SQL, Pandas, Scikit-learn, Tensorflow, Flask

POSITION OF RESPONSIBILITY:

Fraternity of Young Innovators Club VIT Chennai | Outreach November 2021 – March 2022
Event Managers Club VIT Chennai |Committee Member November 2020 – March 2021