Anne Sai Sumanth Chand

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EDUCATION

Masters in Data Science   **August 2024 - Present**
New Jersey Institute of Technology,New jersey, United States   GPA: 3.667/4.0
Bachelor of Technology in Computer Science   **September 2020 - June 2024**
Amrita Vishwa Vidyapeetham, Coimbatore, India   GPA: 3.0/4.0

PROFESSIONAL EXPERIENCE

Software Developer Intern, DTDS, India   **January 2024 - June 2024**
- Set up ChirpStack Network Server on both Ubuntu 22.04 (inside a VM) and Windows OS, initialized gateways, and assigned devices to facilitate uplink and downlink operations.
- Configured InfluxDB to store uplink and downlink data, integrated it with Grafana for data visualization and analysis, and embedded Grafana dashboards into a web application.
- Developed an application for managing three types of LoRa devices, including sending downlinks through the UI.

PROJECTS

Research Collaborator Recommendation System (RCRS)   **August 2023 - May 2024**
To develop a RCRS using a graph analytic approach based on previous collaborations and author features such as their research areas and metrics like h-index and i10-index.
- Extracted data from open APIs and constructed a comprehensive graph representation of research collaborations and implemented and evaluated SVD with cosine similarity, Link Prediction and Node2Vec for the RCRS, achieving highest RMSE of 0.24 and MAPE of 45.52 for SVD, and least RMSE of 0.18 and MAPE of 24.6 for Node2Vec.
- **Tools Used***: SVD, Link prediction, Node2vec, GCN, Gephi.

Flight Price Prediction   **September 2024 - December 2024**
Developed a flight price prediction system using multiple machine learning models.
- Performed comparative analysis among all the models, where Random Forest had the highest accuracy with 98.9% and KNN had the least with 85.6%.
- **Tools Used:** *MLP, Random Forest, Linear Regression, Decision Tree, KNN, and Linear SVR*

Smart Attendance System based on location   **March 2023 - July 2023**
To let the students give attendance based on their presence in the class which is found using their coordinates.
- Created a completely working dashboard both front and back-end using agile modeling and performed different testing over it.
- **Tools Used**: EJS, Node JS, SQL, and CSS.

CERTIFICATIONS

Data Analysis and Visualization with Power BI *- Microsoft, Coursera*   *November 2024*
Ask Questions to Make Data-Driven Decisions *- Google, Coursera*   *April 2023*
Foundations: Data, Data Everywhere - Google, Coursera   **November 2022**

TECHNICAL SKILLS AND INTERESTS

- **Programming Languages:** SQL, Python, JavaScript, Node JS, HTML, CSS.
- **Databases:** MySQL, InfluxDB, MongoDB
- **Relevant Coursework:** Data Management System Design, Business Analytics, Object Oriented Programming, Database Management Systems, Software Engineering, Data Structures & Algorithms.
- **Tools:** GitHub, Tableau, Grafana, Docker, Overleaf, PowerBI, Excel.

EXTRA CURRICULAR ACTIVITIES

Part of a Sustainable initiative by Mata Amritanandamayi and **UNESCO** named Live-in-Labs as part of **C20** and **G20**.
Member of Team Media, (Team Meda is the photography club of Amrita).   **July 2022 - April 2024**