

Sushma Chundru

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Computer science master's student with a passion for Data analytics and has a solid background in Data science, analytical skills, Machine Learning, data visualization, Python and SQL coding. As a quick learner and collaborative team member. I am prepared to embark on a data-driven journey in your organization.

SKILLS

Programming Languages: Python, SQL, HTML, C
Deep Learning Techniques: CNN, RNN, MLP, LSTM
Machine Learning Libraries: TensorFlow, Scikit-Learn
Data Analysis: PostgreSQL, Pandas, NumPy, PyTorch, Matplotlib
Data Visualization: Tableau, Excel, Jupyter Notebooks, EDA
Big Data Tools: Hadoop, Spark
Data Engineering: Data Warehouse, ETL pipelines, Pentaho Data Integration, AWS

EXPERIENCE

- Data Analysis Intern, Cognida.ai – India**

Jan 2023 – April 2023

 - Applied data cleansing and preprocessing techniques using Excel, achieving a high data accuracy rate, and significantly reducing reporting errors by 30%.
 - Performed advanced data analysis with SQL, including regression analysis, A/B testing, and hypothesis testing, and provided actionable insights to improve business strategies.
 - Developed and implemented interactive dashboards and reports using Tableau, enhancing data accessibility, and enabling real-time decision-making for stakeholders.
 - Conducted customer sentiment analysis using Python for text mining and sentiment analysis techniques, resulting in enhanced customer satisfaction and sentiment-driven decision-making processes.
 - Built and deployed machine learning models using scikit-learn and TensorFlow for sales forecasting, resulting in a 20% improvement in forecast accuracy and operational efficiency.
- IoT Engineer Intern, APSSDC – India**

Jun 2021 – Aug 2021

 - Developed a deeper understanding of real-time operating systems and worked on IoT projects like GPS tracking, video streaming with ESP CAM, and Smart Door using Bluetooth Low Energy, achieving 94.5% accuracy in performance.
 - Gained practical experience with sensors, microprocessors, Raspberry Pi, and Arduino UNO, integrating them for real-time IoT solutions.
 - Applied BLE and Wi-Fi protocols for seamless communication in embedded systems, enhancing data transmission reliability.

EDUCATION

- Master of Engineering, Data Science, GPA: 3.72**

Aug 2023 – April 2024

University of Cincinnati, OH
- Bachelor of Technology, Computer Science, GPA: 3.6**

Jun 2019 – May 2023

SRM University, AP

PROJECTS

- Airlines Sentiment Analysis**
 - Performed real-time sentiment analysis on Twitter Airlines tweets using Tweepy and Python, leveraging TextBlob for sentiment analysis.
 - Extracted and organized tweet data using Excel and PostgreSQL Database for structured analysis and data manipulation.
 - Developed dynamic visualizations in Tableau, creating dashboards to monitor sentiment trends and key insights for airline performance based on customer feedback.
- E-commerce Sales Data ETL Pipeline**
 - Developed ETL pipelines using Pentaho Data Integration (PDI) to extract, transform, and load e-commerce sales data into a PostgreSQL data warehouse.
 - Designed dimensional models with fact and dimension tables, using SQL Server for data warehousing and optimizing performance.
- Image De-noising and Restoring**
 - Detects, removes, and modifies the noises present in the images using Peak Signal-to-Noise Ratio (PSNR) values and Developed using Python language.
 - Restored low light images using machine-learning techniques such as Convolutional Neural Network.

CERTIFICATIONS & TRAINING

- Data Engineering using AWS**
- Career Essentials in Data Analysis**
- Oracle Cloud Infrastructure Certificate**
- IBM Introduction to Cloud Certificate**
- IBM Hadoop Certificate**
- Cisco IoT Certification**