

DHANISHWI CHALAMALASETTY

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Education

University at Buffalo, The State University of New York

Masters in Data Science

January 2023 – May 2024

Buffalo, New York

Sreenidhi Institute of Science and Technology

Bachelor of Science in Computer Science

June 2017 – June 2021

Hyderabad, India

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Machine Learning
- Python Programming
- Database Management
- Probability and Statistics
- Statistical Data Mining

Experience

Gateway Solutions

December 2023 – May 2024

Data Engineer

Overland Park, Kansas

- Conducted EDA on Airbnb listings using Python and SQL, analyzing over 50,000 records to identify key price determinants and improve data quality.
- Developed predictive models achieving 80% accuracy in rental price predictions on a test dataset of 10,000 entries.
- Extracted and manipulated large datasets from SQL databases, reducing data retrieval time by 30% through optimized queries.
- Created over 15 visualizations to effectively communicate data insights and model results to stakeholders.

Accenture

September 2021 – December 2022

Software Engineer

Hyderabad, India

- Designed test classes for **Regression testing** achieving 90%+ code coverage for a **Javascript** and **Apex** based system, aiding over 200 clients in launching their customized web application without any Priority -1 or Priority- 2 incidents.
- Created complex **SQL** queries that streamlined data retrieval and processing, improving system speed and efficiency resulting in a reduction of record outcome processing time from 5 seconds to ≤ 2 seconds.
- Directed 4 product launches with robust deployment strategies, resolving **Copado CI/CD** pipeline issues to ensure uninterrupted releases.
- Played a crucial role in providing **production support** during feature releases, contributing to the seamless operation and successful deployment of over 15 major releases.

Cantilever Labs Pvt Ltd

March 2021 – August 2021

Software Engineer Intern

Hyderabad, India

- Designed, developed, and deployed a robust Java-based web application on the Apache Tomcat server, providing users with a seamless and efficient online experience.
- Leveraged HTML and CSS to craft an intuitive and user-friendly frontend interface, enhancing application's visual appeal and usability by 20%.
- Implemented a secure and efficient backend using MySQL, by increasing data efficiency by 20%.

Defence Research and Development Organisation, India

May 2019 – July 2019

Front End Developer Intern

Hyderabad, India

- Collaborated with a team of scientists on a high-impact project related to missile projection.
- Spearheaded efforts to optimize existing code, resulting in a significant reduction in computational time by 43 percentage and improved simulation accuracy.
- Utilized MATLAB to develop detailed missile trajectory illustrations, aiding in data visualization and project understanding.

Projects

Design of deep learning experimentation of fruit freshness detection | *Python, jupyter*

November 2023

- Applied Convolutional Neural Networks (CNN) to build and train a sophisticated image classification system and a model.
- Leveraged deep learning libraries and frameworks, such as TensorFlow or PyTorch, to implement and fine-tune the CNN model for optimal accuracy.

Technical Skills

Languages: Python, Java, C++, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, Docker, Kubernetes, Microsoft Azure Data Factory, Microsoft Azure Data Lake, PySpark, Tableau

Technologies/Frameworks: Copado, Jenkins, GitHub

Certifications: Microsoft Azure Fundamentals, NPTEL Database Management Systems