

# SPANDANA CHEPURI

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## PROFESSIONAL SUMMARY

Highly motivated graduate student pursuing a Master's degree in Data Sciences and Applications with a strong passion for data science and analytics. Seeking a Full-time position to leverage advanced data science skills aiming to drive impact within an innovative team.

## EDUCATION

**Masters: Professional Sciences Data Sciences and Applications**, University at Buffalo, The State University of New York, December 2024 CGPA - 3.92

- Relevant Coursework: Database Management System, Statistical Data Mining, Python, SQL, Probability and Data Analysis.

**Bachelor of Technology: Computer Science and Engineering**, TKR College, June 2023 CGPA - 3.76

- Relevant Coursework: Cloud Computing, Machine-Learning, Distributed databases, Data Mining, Java, SQL, Computer Oriented Statistical Methods.

## SKILLS

**Languages:** Python, Pyspark, SQL, R, C++, C, Java, HTML, CSS, Shell scripting.

**Libraries & Databases:** Redshift, Snowflake, SQL Server, BigQuery, Airflow, Hive, Pandas, NumPy, Scikit-learn.

**Core competencies:** ETL, AWS, Google Cloud Platform, Hadoop, Machine Learning, Tableau, Excel.

## EXPERIENCE

**Virtual Intern, CISCO Networking Academy, Telangana, Hyderabad, India:** December 2022 - June 2023

- Engaged to development of a financial data analysis pipeline, integrating **Google BigQuery** and **Pub/Sub** to handle **100GB** daily, facilitating strategic insights for a networking firm.
- Collaborated on crafting interactive, real-time financial dashboards in **Data Studio**, powered by optimized **Dataproc** and **Airflow** processes, driving a **30%** boost in decision-making efficiency.

**Intern, Manac Infotech, Hyderabad, TS, India:** May 2022 - November 2022

- Integrated **SQL Server** to **AWS** transition, boosting scalability for a startup with **100k+** monthly transactions.
- Configured in crafting **AWS Glue ETL** pipelines, slashing processing time by **40%** for immediate inventory and customer insights.
- Deployed **AWS Lambda** automation to streamline data workflows, enhancing analytics efficiency.

**Trainee Intern, Internshala Trainings, Hyderabad, IN.:** September 2021 - December 2021

- Developed **ETL pipelines** in **Informatica Power Center**, enhancing integration between **SQL Server** and **Oracle** to support e-learning platform content management.
- Streamlined workflows for improved data synchronization and integrity, contributing to scalability of e-learning services.

## PUBLICATIONS

**Underwater Image Enhancement Using CNN:** Oct 2022-Jan 2023.

- Successfully designed and implemented a CNN-based system for enhancing underwater images, showcasing deep learning expertise, and published an innovative research paper in ZKG International, elevating standards in underwater image processing.

**Software Defect Estimation using Machine Learning Algorithms:** Nov 2022-Dec 2022.

- Constructed a machine learning model for early software defect identification, optimizing quality assurance processes, and published research in IJARST on data-driven approaches in software development.

## PROJECTS

**Citywise 311 Case Analysis: Predicting Ticket Volumes and Resolution Times using Naive Bayes Classification**, University at Buffalo, New York, USA: Python

- Leading a team of four, Implemented **Naive Bayes classification** on **311** case data from cities such as Boston, New York, and Chicago, predicting ticket volumes and average resolution times as part of academic coursework.

**TICKETO Database: Streamlining Event Data Management**, University at Buffalo, New York, USA: SQL

- Led team in designing a robust TICKETO database architecture, enriching storage and strategic planning for processing of information from 10 distinct data origins, including payments, advertising campaigns, and consumer feedback.
- Executed enhancements with a group of four for increased efficiency and insights, involving strategic planning as part of academic studies.