Naveen Sai Tamanampudi

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PROFESSIONAL PROFILE

Aspiring data scientist with comprehensive knowledge and practical skills in programming, data analytics, data visualization, machine learning, and web scraping. Looking to leverage these skills to tackle real-world problems. Seeking a data scientist/data analyst internship.

EDUCATION

Master of Science - Data Science GPA: 4.0
University of North Texas, Denton, TX Expected Graduation: Dec 2025
Relevant Coursework: Data Visualization, Applied Machine Learning, Data Analysis and Knowledge Discovery

Bachelor of Technology - Computer Science and Engineering GPA: 3.9
Vellore Institute of Technology, Amaravati, India July 2019 - June 2023
Relevant Coursework: Database Management Systems, Data Analytics, Data Warehousing and Data Mining

SKILLS

Exploratory Data Analysis, Data Modelling, Data Visualization, Machine Learning; **Languages:** Java, Python, SQL
Software: MySQL, Power BI, Cognos Analytics, Watson Studio; **Certifications:** AWS Certified Cloud Practitioner

EXPERIENCE

Data Analytics Extern March 2022 - May 2022
SmartBridge, Amaravati, India

- Utilized IBM Cognos Analytics and developed 5 interactive dashboards to analyze world population data.
- Created model pipelines in SPSS Modeler using IBM Watson Studio to classify term deposit buyers for retail banking, and medical premium charges for insurers.

PUBLICATIONS

Hazardous Asteroid Prediction Using Majority Voting Technique May 2023
7th International Conference on Intelligent Computing and Control Systems (ICICCS)
Naveen Sai Tamanampudi, Sushanth V, Ch. Venkata Rami Reddy, Suneetha M, Deevi Radha Rani, Aditya Kumar Sahu
10.1109/ICICCS56967.2023.10142288

PROJECT EXPERIENCE

Healthcare Database System (Python, SQL) August 2024 - December 2024

- Designed a healthcare database covering aspects like hospitals, doctors, patients, appointments, suppliers, medical records, etc., and normalized it to 3NF resulting in 14 entities.
- Generated 5000 rows of data using random and faker libraries in Python to populate each table in the database.
- Created a MySQL database and inserted the generated data using SQL. Extracted insights by querying the database.

Study of Flight Schedules (Microsoft Power BI, Python) January 2024 - May 2024

- Studied the departures, arrivals, and cancellations of 100k flights from 18 airlines over 2019-2023.
- Designed a data model with 6 entities to represent the available data.
- Generated 3 dashboards to study the busiest airports, arrival and departure delays, and airline activity respectively.

Neethling Virus Detection in Cows and Buffalos (Deep Learning, Flask) January 2023 - May 2023

- Built 5 deep learning models to detect the Neethling virus in cows and buffalos and achieved 96% accuracy.
- Applied ensemble techniques on EfficientNet, VGG-16, and Inception and reached 96.86% accuracy.
- Developed a supporting web application with 5 pages using HTML, Bootstrap, MongoDB, and Flask.

AWARDS

- TGS R.B. Toulouse Scholarship and James T. Rhea Scholarship from the University of North Texas for the academic year 2024-2025