Sumanth Dasari

+1(603)-550-6340 | dasarisumanth10@gmail.com |linkedin|my portfolio

CERTIFICATIONS

Google UX Design Professional Certificate
C for Everyone: Programming Fundamentals
Data Analytics and Visualization Job Simulation
Google Analytics Certification

EDUCATION

University of New Hampshire – NH, USA
Peter T. Paul College of Business and Economics
Master of Science in Business Analytics   **Sep 2023 – Sep 2024**
Relevant Coursework: *Data Modelling & Analysis, Statistical Learning, Big Data, Business Intelligence*
Key Achievements: *Completed data analysis projects, including a predictive analysis for Airbnb booking rates in New York City.*

Amrita Vishwa Vidyapeetham – Kerala, India
School of Engineering,
Bachelor of Technology in Electrical Engineering   **Jun 2019– May 2023**
Relevant Coursework: *Statistics and Foundations of Data Science ,Machine Learning, Microcontrollers and Applications.*
Key Achievements: *Designed and implemented a solar PV power as a capstone project*

TECHNICAL SKILLS

Microsoft Office: *Word, Excel, PowerPoint, Outlook*
Programming Languages: *Python, R*
Data Analysis & Visualization: *SQL, Tableau, Power BI*
Statistical Methods: *Optimization Methods, Statistical Analysis*
Data Communication: *Data Modeling, Data Communication*

PROJECTS

Electrical Capstone Project - Designed and implemented a solar PV power bank with wireless charging.
- *The device captures solar energy using high-efficiency PV panels, stores it in a rechargeable battery, and offers both wired and Qi-standard wireless charging. It was designed as a sustainable, portable power solution to reduce reliance on conventional energy sources while enhancing user convenience with wireless technology.*

Business Intelligence – Baseball Sports Data Analysis.
- *Analyzed Major League Baseball player performance data (1886-2015) using SQL, focusing on salary, batting, and pitching statistics to assess correlations between player abilities, salaries, and awards.*

Probabilistic Pricing of Stock Options.
- *Black-Scholes model and other pricing models incorporate factors such as stock price, volatility, and interest rates. The analysis highlights the impact of volatility on option pricing and the evolution of models to accommodate American-style and exotic options*

Statistical Learning Course – Bike Sharing Statistical Study.
- *Analyzed the influence of environmental and temporal factors on bike rental patterns using a two-year dataset from the Capital Bikeshare system in Washington, D.C.*

Unstructured Data Course – Analysis of an emotions using data.
- *Created innovative algorithms based on historical user input patterns using advanced analytics techniques; findings informed targeted improvements addressing the three biggest challenges impairing effective customer engagement through chatbots.*

Big Data – Capstone Project (Airbnb-New York city).
- *Part 1: Predicted Airbnb booking rates on developing models for state of the art predictions.*
- *Part 2: Analyzed and visualized real-time Airbnb data, generating actionable insights that improved response times by 40% for customer inquiries, enhancing overall user satisfaction scores from 80% to 92% within a quarter in new York city market. The original data consisted of 15 million observations.*

EXPERIENCE

Hut Lab's, IEEE Student Branch.
Developed an innovative Cleaning Robot utilizing Arduino IDE to autonomously eliminate dust particles; achieved a cleaning efficiency improvement of up to 75% compared to traditional methods in controlled environments.

AMRITA VISHWA VIDYAPEETHAM, KERALA, INDIA.
Executive Committee member, IEEE Student Branch.
Facilitated team meetings as one of the executive committee members, ensuring clear communication channels were established between all stakeholders involved which streamlined processes related to event management and execution tasks overall.

CAMPUS & LEADERSHIP ACTIVITIES

UNH – Home Coming event (Peter T Paul College 10 Years Event) – Durham, NH.
Centre for Business Analytics – Student Volunteer
Volunteered at the UNH Homecoming event celebrating the 10th anniversary of Peter T. Paul College.