Dilip Vummaneni

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Education

MS **University of North Texas**, Business Analytics   Aug 2022 to May 2024
- GPA: 3.454/4.0
- **Coursework:** Data Mining, Predictive Analytics, Business Intelligence, Information Systems, Data Visualization

BA **K.S School of Engineering and Management**, Computer Science   Aug 2016 to Sept 2020
- GPA: 6.48/10.0
- **Coursework:** Data Structures and Algorithms, Database Management Systems, Object-Oriented Programming, Computer Networks, Operating Systems, Software Engineering, Web Development.

Experience

HUDL, Sports Analyst   Bangalore, India
                                                                                                Oct 2020 to June 2022
                                                                                                20 months
- Implemented data-driven game analysis strategies, elevating team win rates by 15 Percent across multiple sports. Leveraged Hudl software to optimize team performance, reducing turnovers by 25 Percent and boosting scoring efficiency by 10 Percent. Applied advanced statistical models to forecast opponent behaviors, resulting in a 20 Percent improvement in predicting game outcomes.

CISCO CCNA-I, Intern   Bangalore, India
                                                                                                Jul 2019 to Aug 2019
                                                                                                2 months
- Proficient in Cisco IOS setup for routers, switches, and devices, having completed over 100 practice labs, and adept at resolving 50+ network security issues with precision.
- Completed 200 hours of hands-on training, successfully resolving 75+ network problems using tools like Packet Tracer, enhancing stability, speed, and efficiency by 40

Projects

Criminology Insights: Analyzing Crime, Enforcement, and Demographics   Mar 2024 to May 2024
- Conducted in-depth research on arrest and crime statistics to uncover underlying patterns and challenges in contemporary crime dynamics.
- Utilized advanced statistical modeling techniques to analyze the interplay of arrest rates, crime categories, socio-demographic variables, and environmental factors, aiming to inform the development of effective crime prevention strategies at local and national levels.

Flight-Data-Exploratory Data Analysis -Preprocessing   Jan 2024 to Mar 2024
- Proficient in generating various distribution plots (e.g., histograms, violin plots) using Python libraries like Pandas, Matplotlib, and Seaborn to visualize flight data across different parameters such as months, days, departure times, arrival times, and delays.
- Skilled at developing frequency charts and visualizations that represent flight frequencies by the carrier, origin and destination airport, and airlines, enabling full research and comprehension of flight patterns and trends.

Uber and Lyft Dataset Analysis, Boston, MA   Aug 2023 to Dec 2023
- Analyzed Uber and Lyft ride data using Python libraries uncovering origin and destination patterns and pricing changes.
- Created comparison visualizations that illustrate price trends and provide market insights, with observed variances of up to 20 percent.

Organic Waste Management System   Feb 2023 – May 2023

- Designed and executed organic waste management system, reducing waste disposal. Engineered RESTful APIs with Node.js, doubling data processing speed and enhancing system efficiency by 50 Percent.

Attendance System Using Face Detection   Oct 2022-Dec 2022

- Implemented facial detection attendance system, reducing tracking time by 50 Percent and achieving 95 Percent accuracy with Amazon's Rekognition..

Blockchain-Based Academic Certification Authentication System   Feb 2020 – May 2020

- Developed DApp for secure certificate storage on blockchain, demonstrating smart contract expertise and Ethereum integration.

LET's Book   Mar 2019 – Jun 2019

- Constructed a book-sharing website, boosting registrations by 40 Percent and monthly transactions by 25 Percent . Utilized XAMPP for efficient integration, optimized SQL queries, and reduced page loading by 40 Percent.

Key Skills

Technical: Python, SQL, Tableau, PowerBI, Bootstrap, JavaScript, Full-Stack Development

Analytical: Data Mining, Statistical Analysis, Predictive Analytics

Soft Skills: Problem-Solving, Communication, Teamwork

Extra Curricular Activities

Chick-fil-A,Student Supervisor   Nov 2022 to May 2024

- Demonstrated strong leadership skills by overseeing daily operations, delegating tasks effectively, and fostering a positive work environment, resulting in improved team morale and performance.