Gokul Nandan Tammineni

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EDUCATION

University of North Texas, Denton, Texas | GPA: 3.66/4.00 **Aug 2022 – May 2024**

*Master of Science in **Advanced Data Analytics***

- Relevant Coursework: Harvesting and Restoring Data, Data Analysis, Discovery and Learning Big Data, Strategic Management

Institute of Aeronautical Engineering, Hyderabad, India | GPA: 3.00/4.00 **Jun 2018 – May 2022**

*Bachelor of Technology in **Aeronautical Engineering***

- Relevant Coursework: Aerospace Structures, Aerodynamics, Aircraft Systems, Materials and Manufacturing Selection

SKILLS

Tools & Languages: Microsoft Office (Excel, Power BI, PowerPoint, Outlook, Word, Teams), SQL, RStudio, Python, Tableau
Project Management: MS Project, Agile Methodology, JIRA, SharePoint, EVA, Gantt Charts, SWOT Analysis, FMEA

WORK EXPERIENCE

CFD Intern | Aerohawks Engineering Services Pvt.Ltd | Siddipet, India **Dec 2021 – May 2022**

- Led a cross-functional team of 3, coordinating tasks and monitoring project timelines, while analyzing KPIs for product design; employed BIM for optimized HVAC system and Vertical farming container design
- Managed project scopes and schedules using Agile methodologies to ensure timely delivery of design and analysis tasks
- Designed farming containers using CATIA and HVAC principles, and conducted airflow analysis using OpenFOAM
- Collaborated with project team and management; applied TOPSIS analysis for design ranking, and utilized SimScale CAE for detailed analysis, achieving a 20% increase in crop yield
- Communicated regularly with stakeholders to provide updates and gather feedback, ensuring alignment with project objectives

R&D Intern | NoobTron Pvt.Ltd | Chennai, India (Remote) **Aug 2021 – Oct 2021**

- Managed a 6-member team, utilized Gantt charts and SWOT analysis to streamline the design process and identify potential risks in the development of supersonic nozzles using SolidWorks
- Conducted extensive numerical investigations with ANSYS for flow behavior in supersonic nozzles, resulting in a 23% efficiency improvement
- Received a scientific stay certificate for significant contributions and effective management of the research project

ACADEMIC PROJECTS

SENTIMENT ANALYSIS OF AMAZON PRODUCTS

- An essential binary support vector machine may offer a different categorization in opinion mining because human sentiment is multi-dimensional. Therefore, the suggested method is driven by the desire to use a regression model based on machine learning to account for the many attitudes that can be retrieved from the AMAZON PRODUCT REVIEWS.

- This encourages using more classes, ensuring that the classification's correct. Because the brand name, product name, ratings, price are essential.

SLEEP EFFIEICENCY

- The project will utilize sleep efficiency data collected at the county level in Texas state. The dataset includes details on a group of test individuals' sleeping habits. Each test subject has a special "Subject ID" assigned to them, and their age and gender are also recorded.

- The "Sleep duration" option keeps track of the total amount of time each subject slept in hours, while the "Bedtime" and "Wakeup time" features show when each subject goes to bed and wakes up each day. The "Sleep efficiency" feature measures how much of the time you spend in bed is actually spent sleeping.

Analyzing the Airbnb Market in New York City (Using R)

- In this project, we will gain insight into the world of Airbnb in New York City, conducting a detailed descriptive and exploratory analysis of the available data. Our objective is to acquire a better knowledge of how each variable in the dataset operates on its own and in combination with others. By doing so, we intend to produce assumptions that will be beneficial for future decision-making about Airbnb in the New York city.

- To do this, we will employ a variety of strategies and resources, such as histograms, heatmaps, box plots, scatterplots, and other data visualization methods in R Studio. We will be able to find patterns and correlations between variables by utilizing these tools to display and analyze data in a useful and significant manner.