Vaishnavi Tammali

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OBJECTIVE

Experienced Business Analyst proficient in Python, R, SQL, and analytics tools, seeking a role to apply data-driven strategies for impactful business outcomes. Committed to fostering a culture of data literacy.

EDUCATION

The University of Alabama, Huntsville   **August 2022 - May 2024 (Expected)**

Master of Science in **Business Analytics**

Coursework: Modeling and Simulation for Business Applications, Business Intelligence and Business Analytics, Data Management and Data Mining, Operations Management

CVR College of Engineering, Hyderabad   **May 2018 - June 2022**

Bachelor of Technology in **Electrical and Electronics Engineering**

SKILLS

Technical Skills: Python, R, SQL, Tableau, Microsoft Power BI, Advanced Excel, Arena, MATLAB, C Language, HTML, Proteus PCB

Soft Skills: Time Management, Community Building, Adaptability, Public Speaking, Leadership, Multi-tasking

Others: Microsoft Office Suite, Canva, Figma

EXPERIENCE

The University of Alabama, Huntsville, Alabama - Graduate Teaching Assistant   **December 2022 - Present**
- Led **30 undergraduates** in the **Kinematics and Dynamic Machine Lab** during Spring '23, collaborating with the Professor to achieve a **90% class average** through effective development and delivery of instructional materials.
- Guided **25-30 undergraduates** through **Mechanics of Materials Lab** experiments in Fall '23 and Spring '24, ensuring a 98% participation rate. Implemented improvements resulting in a **15% performance boost** and garnered **positive feedback from 90% of students** in post-lab evaluations.

GDSC CVR College of Engineering, Hyderabad, India - *Corporate Outreach Lead*   **August 2020 - October 2022**
- Corporate Outreach Lead at Google Developer Student Club, **collaborated with 3 successful startups** to establish partnerships with CVR College of Engineering.
- Facilitated internship opportunities in various technical fields for **25 third-year undergraduate students** in engineering through these collaborations.

Haiyya | People, Power, & Change Program , Delhi, India - *Coach*   **October 2021 - December 2021**
- Led a **1.5-month coaching program** at Haiyya, teaching leadership and communication to 20 diverse individuals.
- Trained in storytelling and public speaking, resulting in published Change.org petitions addressing societal issues.

PROJECTS

ANALYSIS OF MUSEUM'S MEMBERSHIP PROGRAM - U.S. SPACE & ROCKET CENTER (Present)

- Developing and implementing strategies to boost membership sign-ups and retention in the **U.S. Space & Rocket Center**, leveraging data analysis to identify key trends.
- Leveraged **Python and R** to conduct in-depth data analysis, uncovering trends that guided the implementation of strategies, contributing to a **20% surge in membership** sign-ups.

- Leveraged **SQL and Tableau** for **data analysis**, driving targeted marketing efforts for a **25% increase in member engagement**. Additionally, introduced new programs, enhancing member experience and loyalty.

AUTOMATIC DRYING AND PROTECTION OF CLOTHES FROM RAIN USING ARDUINO UNO

- A practical solution for everyday challenges, this project streamlines the drying process of washed clothes, particularly addressing the difficulties posed by traditional methods during rainy seasons. Additionally, the project incorporates a moisture sensor to gently sway the hung clothes and features a blower within the enclosure for efficient drying.
- Worked on **structural** and **circuit design**, seamlessly integrating electronic components **using Proteus PCB**, and contributed to rain/moist sensor deployment.
- Collaborated with my team to establish communication with **Arduino** and the sensors to activate the required trigger for the motorized components, ensuring seamless automation of the system.

ANALYSIS ON GLOBAL YOUTUBE STATISTICS

- Applied a data-driven approach to identify high-impact channels, involving data cleaning, exploratory analysis, and forecasting models. Contributed to informed decision-making for optimizing channel performance.
- Led comprehensive analysis of YouTube channel categories and follower demographics, utilizing **Python for data cleaning and EDA(Exploratory Data Analysis),** and **R for forecasting models** to predict future trends, accounting for viewership, subscriptions, and earnings.
- **Utilized Tableau for visualizing** key trends and patterns in YouTube channel data and developed insightful visualizations providing a clear understanding of channel categories and follower demographics for strategic decision-making.

ACHIEVEMENTS AND AWARDS

- Published a technical research paper World Conference on Systems Engineering Research (WCSER-20)
- Leadership Certificate by WomCom Matters
- Best Coach at People Power & Change (2021) at Haiyya Foundation
- IEEE Project Expo CVR College of Engineering - Winner
- Presented a paper titled LITERATURE REVIEW ON GENERATION OF ELECTRICITY FROM RECYCLING OF PLASTICS in association with Indian Institute For Technical Education(ISTE) and won first prize - organized by CVR college of engineering.

VOLUNTEERING

CIENCIA 2K22, *Finance Team Lead*   **January 2022 - April 2022**
- Undertook a pivotal role as the Financial Lead for the college fest, Ciencia 2k22, overseeing budget management and financial planning.
- Implemented effective financial strategies, resulting in successful cost control and allocation, contributing to the overall success of the event.

AWAAZ-E-TELANGANA, *Fellow*   **January 2020 - December 2020**
- Ran campaigns for the rights and safety of working women.
- Proactively made companies register for POSH (Prevention of Sexual Harassment).
- Created awareness about the POSH Act by encouraging 717 people to sign a petition for No Data No POSH.

LANGUAGES

- **English -** Fluent   **Telugu -** Fluent   **Hindi -** Intermediate