**Vaishnavi Tammali**

Huntsville, AL 35816 **|** +1(256)‑694‑2995 **|** [vaishnavi.tammali@protonmail.com](mailto:vaishnavi.tammali@protonmail.com) **|** [LinkedIn](https://www.linkedin.com/in/vaishnavitammali/)

## 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