Vaishavi Jayashankar

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WORK EXPERIENCE

Aspire Institute   Remote/Virtual
Data Analyst   *May 2024 - May 2024*
- **Enhanced product design decisions** by conducting **end-to-end data analysis projects**, which provided **actionable insights** that informed **user-centered design approaches**, leading to improved product **outcomes**.
- Improved team collaboration and project results by creating and presenting multiple **data visualization modules**, **dashboards**, and reports, significantly enhancing **data communication** and understanding of **user engagement**, which led to strategic enhancements in **engagement strategies**.
- Streamlined **data reporting processes** by developing comprehensive **data visualizations** and **dashboards**, which facilitated better **decision-making** and improved **communication** within the team.
- Boosted engagement in **alumni newsletters** and **weekly digests** by analyzing **click rates**, **open rates**, and **content performance**, providing **actionable insights** that led to enhancements in **engagement strategies**.

San Diego Supercomputer Center   San Diego, CA
Machine Learning & Bioinformatics Intern   *August 2021 - June 2022*
- Developed a **machine learning model** to analyze **microbiota data**, identifying correlations between altered **GI microbiota** and **ASD symptoms**, resulting in new insights under the guidance of reputable professors.
- Conducted **data mining practices** using **Weka**, statistically analyzing and identifying trends in **bacterial classes** associated with **ASD symptoms** in mice, leading to the discovery of specific bacterial trends linked to ASD.
- Extracted and curated data from a **PubMed study** on **gut microbiota transplantation**, scoring a database of **100+ files** and filtering a dataset of **3000+ bacterial taxonomy classifications** from ASD and non-ASD mice samples, analyzing five bacterial classifications across **35** instances with a **classifier model** using **stratified cross-validation**.
- Presented the final research and **machine learning models** at the **2022 UCSD MAP Symposium** to UCSD staff and peers, detailing research methodology, **data analysis**, and conclusions, showcasing significant findings and the impact of the study.

LEADERSHIP & INVOLVEMENTS

Northeastern University London   London, England, UK
Student Ambassador   *January 2024 - May 2024*
- Fostered **engagement** with current and prospective students, faculty/staff, and alumni by representing the university, contributing to the enhancement of community relationships.
- Actively developed **student experiences** and **outreach efforts** across **Faculty/IT**, **Recruitment/Widening Participation**, **Marketing**, and **Events sectors**, leading to improved **student satisfaction** and engagement.
- Addressed inquiries from **prospective students** via **Unibuddy**, providing insightful responses through research and personal experiences, dedicating **2-3 hours** of Unibuddy work within a month and improving prospective student engagement.
- Led 2-hour group tours for **2-3** families of prospective students visiting from abroad, offering a **unique** perspective as a US international student, which contributed to a positive and informative visit experience.

South Asian Student Union San Diego   San Diego, CA
Founder and President   October 2020 - June 2023

- Oversaw a branch of **500+ members**, leading and coordinating with **seven** high school branches throughout San Diego County, which enhanced regional collaboration and unity.
- Facilitated branch and board meetings, managed external communications, and moderated the official website and social media channels, including email lists, marketing efforts, and a Discord server, improving communication and outreach.
- Successfully led and organized **30+ community service**, **cultural**, and **bonding events** by partnering with esteemed South Asian **humanitarian organizations** such as Akshaya Patra Foundation, CRY, San Diego Rescue Mission, House of India, and Streets of Hope, fostering community engagement and service

Northeastern University Students' Union   **London, England, UK**
Podcast Producer and Editor   *January 2024 - May 2024*
- Supported podcast promotion through two **marketing channels** (Spotify, Instagram, NUL Website), increasing visibility and listener engagement.
- Collaborated with creative and managerial team members to curate compelling content **twice a month**, aligning with podcast objectives and engaging the audience effectively.
- Managed recording schedules and deadlines, guaranteeing the timely delivery of episodes at a frequency of 2 episodes per month, dedicating **10-15 hours** to editing each episode, ensuring **professional and polished** final products.
- Created over 5 professional-grade **intro/outro sequences** and **transition music** using **audio-editing software**, enhancing the auditory experience with various themes and soundscapes

EDUCATION

Northeastern University   **Boston, MA**
B.S. Computer Science and Business Administration   *2023 - Present*
- Seattle **Cloud Computing** Program (partnership with **AWS)** - *1 of 9 selected students*   *(Sept - Dec 2024)*

COURSES/CERTIFICATIONS

- **Introduction to UI and UX Design** - Codecademy   *March 2024*
- **Learn Java: Object-Oriented Programming** - Codecademy   *March 2024*

TECHNICAL SKILLS

- **Languages**: Java, HTML5, Javascript, Python, Kotlin, CSS, Latex, Markdown
- **Developer Tools**: AWS, Visual Studio Code, IntelliJ IDEA, Weka
- **Design Tools**: Figma, Canva
- **Libraries/Frameworks**: React JS, Bootstrap

Languages: English, Tamil, …