

Vaishavi Jayashankar

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Availability: Jan 2025 - August 2025

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EDUCATION

Northeastern University, Khoury College of Computer Sciences (*Standing Junior*)

Boston, MA

Candidate of Computer Science & Business Administration, 3.2/4 GPA

Sept 2023 – May 2027

Semester In: Seattle **Cloud Computing** Program

Sept 2024 - Dec 2024

- Dual enrollment at **AWS (Amazon Web Services)** & NU Seattle Graduate Campus

Northeastern University London (*Student Ambassador, NUL Podcast Producer/Editor*)

Sept 2023 - Apr 2024

Programming/Design Tools: Java, Python, JavaScript, Kotlin, HTML5, CSS, R, SQL | AWS, Bootstrap, React,

Mockito, IntelliJ IDEA, VS Code, Jupyter Notebook | Figma, Canva, Spline, Blender

Machine Learning/Data Science: Weka, RStudio, Microsoft Excel, Machine Learning

WORK EXPERIENCE

Outlier AI

Remote

Advanced Coding & AI Training Specialist

October 2024 – Present

- Developed & optimized training scripts for **3+ SMEs**, improving response quality & cutting backend processing time by 20%, enhancing user satisfaction with faster, accurate query handling
- Validated **150+ backend code responses** and **APIs** for **LLMs**, improving prompt accuracy by 75+ percent.

Tiny Violets (Independent Contractor)

Remote

Web Developer

August 2024 – Present

- Designed SEO-optimized websites for local business, resulting in a **35% increase** in client web traffic
- Integrated **RESTful APIs** and **Bootstrap**, ensuring seamless **UI** and **cross-browser compatibility**

Aspire Institute

Remote

Data Analyst

Apr 2024 - May 2024

- Built 4 dynamic **data visualizations** & dashboards in one month, boosting newsletter engagement by **30%**.
- Presented insights to stakeholders, driving **data-informed marketing investments** & business growth

San Diego Supercomputer Center (SDSC) , UC San Diego

San Diego, CA

Machine Learning & Bioinformatics Intern

Aug 2021 - June 2022

- Developed **ML model** with data on **50+ samples** analyzing correlations in GI gut microbiota & ASD symptoms through data mining **3,000+ bacterial classifications** & achieving **stratified cross-validation** on 35 instances
- Presented ML model & research at **UCSD MAP Symposium**, revealing insights into GI microbiome to ASD

PROJECTS

Cloud-Based Student Management System

In Progress

- Built a scalable **AWS** web application by configuring **VPCs**, deploying 2 **EC2** instances in an auto-scaling group, setting up **RDS databases**, & implementing **auto-scaling & load balancing**, reducing downtime by 30% & ensuring seamless performance under varying workloads

Java Marble Solitaire Game Development

Oct 2024

- Designed a **modular** Marble Solitaire game supporting English, European, & Triangular versions, integrating **custom configurations**, **dynamic** input handling, & **JUnit 4 testing**, improving gameplay flexibility & ensuring 100% functional accuracy across versions

Alumni Activity Data Visualizations & Marketing Analysis

May 2024

- Created **10+** interactive **data visualizations** showcasing alumni engagement trends. Identified actionable marketing insights that boosted retention rates by **15%** & improved cross-platform interactions, presented to Aspire stakeholders in 2 professional formats

GI Microbiome Correlations to ASD (Autism Spectrum Disorder) ML Model

June 2022

- Developed ML models to analyze **3,000 microbiome data classifications**, identifying a **15%** stronger correlation between gut bacteria & autism spectrum disorder (ASD) symptoms. Presented at UCSD MAP Symposium

INTERESTS

Music (Jazz, Vocalist, Bassist), Photography, Weightlifting, Reading, Jewelry, Psychology, Self-Wellness