

VANESSA VENKATARAMAN

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WORK EXPERIENCE

GLOBALLOGIC

Jr Software Engineer

Remote

Apr 2024 - present

- Contributed to the development of AI and machine learning algorithms for a Fortune Tech 10 company known for its search engine, on behalf of GlobalLogic
- Developed and optimized Python scripts to interface with various APIs for data extraction and integration, facilitating seamless data workflows
- Evaluated output from AI models and edited results to create high-quality training datasets, ensuring accuracy and relevance for model improvement
- Collaborated with cross-functional teams, including technical writers and reviewers, to refine and enhance AI models, ensuring alignment with project goals and client requirements
- Promoted to reviewer, providing constructive feedback and guidance to curators on improvements to ensure high-quality AI training data and model outputs

EPIC SYSTEMS

Quality Assurance Manager

Verona, WI

Sept 2023 - Apr 2024

- Developed and implemented test plans to ensure the quality of healthcare communication software for the In Basket application, primarily focusing on data and reporting metrics and generative artificial intelligence
- Successfully managed a high volume of software testing within fast-paced development cycles, meeting strict timelines
- Collaborated with software developers to review design specifications, define realistic use cases, and suggest adjustments
- Identified, analyzed, tracked, and documented software defects, providing essential support to the software development team in determining the underlying causes of software bugs/issues
- Reviewed, edited, and authored end-user documentation as well as internal documentation to ensure clarity and accuracy
- Collaborated in data cleaning initiatives contributing to the addition of a new data point in the community database
- Assisted in refining a generative artificial intelligence model to enhance the accuracy of generated message drafts
- Served as an Ambulatory Focus Group Moderator, fostering collaboration and gathering valuable insights from end-users

THE WELCOME PROJECT

Data Intern

Somerville, MA

June 2021 - Jan 2022

- Assisted in cleaning more than 10,000 rows of confidential constituent data in Excel to aid the immigrant advocacy program
- Managed and maintained databases, ensuring data accuracy and integrity for efficient tracking
- Utilized advanced Microsoft Excel functions such as conditional formatting, lookup functions, sorting, and filtering

EDUCATION

TUFTS UNIVERSITY, GRADUATE SCHOOL OF ARTS AND SCIENCES

Master of Science in Data Analytics

Medford, MA

Sept 2022 - Aug 2023

Cumulative GPA: 3.6/4.0

Relevant Coursework: Python and Machine Learning, Data Visualization with Tableau, Advanced SQL, Web Development

TUFTS UNIVERSITY, SCHOOL OF ARTS AND SCIENCES

Bachelor of Arts

Medford, MA

Sept 2018 - May 2022

Major in Community Health, Minor in Economics, with studies in Computer Science

Cumulative GPA: 3.6/4.0; Dean's List Spring 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022

Relevant Coursework: Survival Analysis, Data Structures, Discrete Mathematics, Health Information Systems, Health Statistics

Extracurriculars: Tufts University Varsity Softball Team (2018 - 2022); Senior Captain; Captain of the Leadership Council

TECHNICAL SKILLS & ACHIEVEMENTS

Programming Languages: Python, C++, SQL, Javascript, HTML/CSS, R

Frameworks and Technologies: pandas, NumPy, scikit-learn, matplotlib, plyr, dplyr, ggplot

Software Packages: Tableau, Microsoft Excel (pivot tables, VLOOKUP), MATLAB, Stata

Awards & Honors: NFCA All-America Scholar-Athlete 2020-2021, 2021-2022