Farjana Yesmin

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https://www.linkedin.com/in/farjana-yesmin/| https://github.com/Farjana-Yesmin

Summary

Driven Data Scientist and Machine Learning enthusiast with extensive experience in Bioinformatics, Machine Learning, and Data Science. Proven track record in research and application of machine learning to systems-level models, with a focus on human immune response and neuropsychiatric disorders. Adept at leveraging advanced analytical tools and programming languages to solve complex problems. Skilled in collaboration, leadership, and communication, with experience across academic and corporate environments. Passionate about turning data into actionable insights and driving innovation.

Skills

• Machine Learning & Data Science: TensorFlow, PyTorch, Scikit-learn, Splunk
• Programming Languages: Python, R, Java, C++, MySQL
• Data Visualization & Analytics: Tableau, MATLAB
• Other Tools: Git, Docker, Kubernetes

Professional Experience

Graduate Research Assistant

University of Tulsa, Tulsa, OK

- Spearheaded projects on developing machine learning models to analyze human immune responses and neuropsychiatric disorders.
- Integrated data across systems to explore interaction effects, leveraging machine learning, network theory, and information theory.
- Collaborated with a multidisciplinary team of researchers to publish findings and present results at conferences.
- Utilized statistical learning and mathematical modeling to innovate in bioinformatics and systems biology research.

Summer Learning Externship

AT&T | June 2020 – August 2020

- Gained in-depth insights into business leadership and technology strategy from top executives.

- Completed professional development training across human resources, finance, technology, and leadership.
- Collaborated with teams to analyze market trends and develop innovative business solutions.

Summer Scholar

HP | June 2020 – August 2020

- Participated in a comprehensive program covering technology, sales, and data analytics.
- Explored global business operations and gained insights into decision-making in a Fortune 500 company.
- Networked with professionals and executives, identifying emerging trends in technology and innovation.

Graduate Teaching Assistant

Boise State University, Boise, ID | August 2018 – December 2018

- Taught programming labs, providing hands-on guidance in Java and Data Structures.
- Mentored students in algorithm development and debugging techniques.
- Received high ratings for teaching effectiveness and student engagement.

Education
- University of Tulsa –PhD in Computer Science (Transferred)
- Boise State University – PhD in Computing (Transferred)
- Jashore University of Science & Technology – B.Sc. in Computer Science & Engineering

Certifications
- Google Data Analytics Professional Certificate
- IBM Data Science Professional Certificate
- IBM Applied AI Professional Certificate

Additional Information
- Available for relocation and remote work opportunities.
- Active in local data science communities
- Fluent in Bengali and English.