

Wasif Khan

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EDUCATION

University at Buffalo, The State University of New York

Aug. 2020 – May 2024

Bachelor of Arts in Computing and Applied Mathematics

Buffalo, NY

Relevant Courses: Data Structures, Discrete Structures, Calculus 1-3, Linear Algebra, Survey Multivariable Calculus, Differential Equations, Intro to Machine Learning, Data Models & Query Languages, Data-Oriented Computing

TECHNICAL SKILLS AND CERTIFICATIONS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R, Scala, Swift

Frameworks: React, Node.js, Express.js, Flask, PyTorch, TensorFlow, Scikit-learn

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ

Certifications: Codepath IOS Mobile App Development

EXPERIENCE

Machine Learning Intern

Feb 2024 – Apr 2024

Open Avenues Foundation/ Rad AI

Remote

- Transformed nearly 1,000 radiology reports into TF-IDF and Word2Vec embeddings using Scikit-Learn and Gensim, improving data representation for subsequent analysis.
- Developed and presented comprehensive data visualizations with pandas, matplotlib, and seaborn, effectively illustrating text embeddings and revealing critical insights to inform decision-making.
- Designed and compared Logistic Regression models using TF-IDF and Word2Vec embeddings within a Metaflow pipeline, optimizing workflows in a Docker environment for enhanced performance.

Undergraduate Teaching Assistant

Jan 2024 – May 2024

University at Buffalo

Buffalo, NY

- Helped 100+ undergraduate students strengthen their understanding of foundational mathematical concepts in discrete structures by holding weekly recitations, office hours, & review sessions.
- Assessed student performance in critical areas such as logic, proofs, sets, and data structures, ensuring a thorough understanding of complex concepts and fostering analytical thinking.

President

Jan 2023 – Jan 2024

Product Space

Buffalo, NY

- Co-founded the first east-coast chapter of a national Product Management organization, engaging 100+ students and fostering a community of aspiring product managers.
- Achieved a 40% increase in student registrations by leading a cross-functional team to develop and deliver key features for Buffalo Product Space's Organizational Web App.
- Developed and scaled 10+ features as a product fellow, collaborating with industry Product Managers to assist local startups in growing their businesses and products.

Product/Engineering Fellow

May 2023 – June 2023

Headstarter

Queens, NY

- Led a cross-functional team to develop two React JS web apps, creating the Product Requirements Document and iterating based on user feedback to refine features, enhancing the candidate-job matching algorithm.
- Improved user experience and platform functionality by integrating 5+ APIs into a React & Flask dashboard, designing user-centric interfaces to simplify complex data presentation.

PROJECTS

Job Search Engine | *DMQL, HTML, CSS, JS*

- Developed a job search platform managing 1,000+ job listings and candidate profiles, enhancing search efficiency and relevance with advanced filtering options using DMQL.
- Managed relational databases with RDBMS, ensuring data integrity and security for users, jobs, skills, and recruiter profiles, facilitating efficient job and candidate searches.
- Led the design of responsive, user-friendly interfaces, significantly boosting user engagement and satisfaction.

UBRateMyProfessor | *Swift*

- Developed a professor evaluation app for UB students, enabling users to rate professors and view ratings by department, fostering informed decision-making.
- Engineered an API to aggregate data from 1,000+ faculty members and external student reviews, enhancing the app's data comprehensiveness.
- Directed the implementation of intuitive search interfaces for departments and courses, enhancing students' ability to explore offerings and faculty at UB.