

Kabir Bardai

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EDUCATION

University of New Hampshire - Durham, NH

Expected: May 2025

Bachelor of Science: Data Science

- Minor in Information Technology
- Relevant coursework: Algorithms, Data Structures, Reinforcement Learning, Database Systems

Needham High School - Needham, MA

May 2021

High School Graduate

EXPERIENCE

University of New Hampshire InterOperability Lab - Durham, NH

September 2022 - Present

Test Technician

- Utilized CI/CD tools (Git, Jira, etc.) to streamline testing processes and improve product development
- Used Agile methodologies and workflow
- Conducted testing of networking and data communications products, ensuring quality and reliability
- Collaborated with industry leaders, including IBM, Microsoft, Cisco, Apple, and Dell, to enhance product performance
- Actively maintained and improved various internal test tools
- Demonstrated effective vendor communication to facilitate seamless product testing processes

Tutor - Needham, MA

September 2020 - Present

Math Tutor

- Tutored high school and college students in math
- Developed teaching and mentorship skills
- Tutored students in subjects ranging from pre-algebra to college level calculus

Needham House of Pizza - Needham, MA

July 2019 - August 2022

Pizza Cook/Cashier

- Trained new hires and maintained a high standard of food quality and service
- Managed orders and prepared pizzas as the pizza chef, ensuring customer satisfaction
- Developed strong multitasking and teamwork skills in a fast-paced environment

RELATED PROJECTS

Data Analysis Application for Free-Fall Penetrometers - Durham, NH

September 2024 - Present

- Collaborated with a team of four to develop a desktop application for UNH Ocean Engineering, designed to collect and analyze data from Free-Fall Penetrometers.
- Integrated MATLAB, Excel, and Python scripts into a cohesive Python-based application for streamlined data processing.
- Conducted various data analyses on penetrometer data to identify and predict soil types and compositions.
- Designed an intuitive user interface to ensure the application is straightforward and user-friendly.

SKILLS

- Proficient in C, Java, MATLAB, SQL, R, and Python programming languages
- Proficient in utilizing data processing software, including JMP and the pandas library.
- Strong background in probability and statistics with real world applications
- Experienced with CI/CD tools, including Git and Jira, to support product development
- Strong proficiency in Windows, Linux, and MacOS operating systems
- Knowledge of data visualization and interpretation software
- Proficient in data structures and algorithm analysis
- Problem-solving and communication skills