AHAMED SAMIR SARKER

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OBJECTIVE

Computer science student focused primarily on Web Development, eager to secure an internship. I am proficient in front-end tools like HTML/CSS/JavaScript and backed by hands-on experience in Python and databases. My project work showcases my ability to collaborate and innovate, and I'm excited to join a team where I can contribute while expanding my skills.

EXPERIENCE

CAREFUL AI & UCL   London
Developer   *October 2022 - March 2023*
- Built a web-based platform designed for healthcare professionals within the NHS to easily submit candid self-assessments based on benchmarks established by Welsh Government in 2015.
- Presented at the Bevan Commission (Welsh Government) in 2023 and received high praises.
- Automated test cases using Selenium testing.
- More details on system development can be found here: https://students.cs.ucl.ac.uk/2022/group9.

EDUCATION

UNIVERSITY COLLEGE LONDON, London
Computer Science Meng   *2021 - 2025*

RESEARCH

NUFFIELD RESEARCH PLACEMENT   London
                                                                                 August 2020 - August 2020
- Established a collection of mathematical solutions within the realm of Computer Science Mathematics in collaboration with the University of Westminster.
- Formulated ontologies on SMARTEST knowledge and learning repository (University of Westminster).
- Utilised Neo4j graph database management system for crafting graphs using Cypher Queries.

PROJECTS

CUSTOM SHELL - PYTHON, ANTLR4

                                                                           October 2022 - November 2022
- Developed a shell with similar functionalities to Bash as a group project.
- Devised the shell to execute call, sequence, pipe commands and feature applications such as cut, grep, uniq, cat etc.
- Focused predominantly on crafting grammar rules using ANTLR4 to parse user-entered commands.

STOCK TRADING API - PYTHON

                                                                            February 2022 - March 2022
- Designed and implemented a robust data structure and algorithm solution to manage and process completed transaction records.
- Leveraged Red-Black trees and algorithmic techniques to optimise performance and scalability, ensuring efficient handling of large transaction datasets.

GATES TUTORING CENTRE - PHP, MYSQL, JAVASCRIPT

                                                                          September 2019 - April 2020
- Created a CRUD web application where users could book/edit sessions with tutors.
- Developed code to generate comprehensive graphs, enabling tutors to visualize statistics on performance.
- Employed Stripe API to handle payment processing and capture transaction records.

TECHNICAL SKILLS

Python, JavaScript - Competent.
PHP, MySQL, Java - Familiar.
Software Design patterns, Data Structures - Competent.

ADDITIONAL INFORMATION

- Personal website: https://itsamesamir.github.io/
- Linkedin: https://www.linkedin.com/in/ahamed-samir-sarker-48407819b