

Ahamed Samir Sarker

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<https://itsamesamir.github.io/>

## OBJECTIVE

Obtain an internship that will allow me to demonstrate my skills and further hone them.

## EDUCATION

09/2021 – Expected 06/2024

Computer Science BSc, **University College London (UCL)**

## EXPERIENCE

### Care Quality Dashboard - Careful Ai x UCL

- An online platform for clinicians in the NHS to complete honest self-reports against standards set by the Welsh Govt in 2015 and for managers in hospitals to effortlessly create new dashboards and forms.
- Presented at the Bevan Commission (Welsh Government) in 2023.
- <https://students.cs.ucl.ac.uk/2022/group9/>

## RESEARCH

### Nuffield Research Placement - 2020

- A research project on building a repository of mathematical solutions in the area of Mathematics in Computer Science with the University of Westminster.
- Created ontologies on SMARTTEST knowledge repository (University of Westminster).
- Used Neo4j graph database management system.

## PROJECTS

### Custom Shell - Python, ANTLR4

- Group project where we created a shell with similar functionalities to Bash.
- Shell can execute call, sequence, pipe commands.
- It features applications such as cd, cut, grep, uniq, cat etc.
- Worked primarily on writing the grammar using ANTLR4 to parse the commands entered by the user.

### Gates Tutoring Centre - PHP, MySQL, JavaScript

- CRUD web application.
- Users could book/edit sessions with tutors.
- Tutors could view detailed charts and Statistics about their performance.
- Payment processing through Stripe API.

## TECHNICAL SKILLS

**Python, JavaScript** – Competent.

**PHP, MySQL, Java** - Familiar.

**Software Design patterns, Data Structures** - Competent