

# MESHWIL

London, United Kingdom (Willing to relocate)

 07865076487

 Email

 Website

 GitHub

 LinkedIn

## ABOUT ME

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**Programming Languages & OSs** C++, Python, Javascript & NodeJS, Java, Linux, Windows  
**Databases** MySQL, PostgreSQL, MongoDB, Mongoose  
**Technologies & Frameworks** HTML & CSS, Bootstrap, EJS, Express, L<sup>A</sup>T<sub>E</sub>X  
**Devops & Cloud technologies** Docker, CI & CD Pipelines (GitHub Actions)

## EDUCATION

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### University of Kent

Canterbury, Kent

Bachelor of Computer Science with Honours

Sep 2021 - June 2024

</> 1<sup>st</sup> Class Predicted: (1<sup>st</sup> Year Average: 86%, 2<sup>nd</sup> Year Average: 75%)

</> Relevant Coursework: Artificial Intelligence, Algorithms and Data Structures, Cyber Security, Data Science, Embedded Systems, Cloud Computing, Linux

### St. Gregory's Catholic Science College

Harrow, Greater London

A-Levels in Business Studies, Computer Science and Psychology

Sep 2018 - Apr 2021

</> Received BBB in the subjects specified.

</> Relevant Coursework: Python Programming, Introduction to Artificial Intelligence, Data Structures and Algorithms.

## PERSONAL PROJECTS

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### MongoDb connection Tester

 [Project Link](#)

Tech Stack: GitHub Action, Docker, Playwright, Javascript

Aug 2023 - Current

</> Implemented a custom GitHub Actions YAML workflows file where it tests everything and pushes changes if succeeded.

### Shopping Website

 [Project Link](#)

Tech Stack: HTML & CSS, JS (NodeJS) & expressJS, EJS, MongoDB & Mongoose

July 2023 - Sep 2023

</> Built a robust and scalable website by using express.js for routing, middleware management, and handling HTTP requests.

</> Implemented server-side logic using Node.js to manage product listings, user authentication, shopping cart functionality, order processing and database interactions.

### Hospital Management System

 [Project Link](#)

Tech Stack: Java, MySQL

Feb 2023 - Apr 2023

</> Collaborated in a 4 member team to engineer customized software using the SCRUMS management approach, focused on receptionist functions, enabling efficient coordination of patient-doctor interactions.

</> Central to my role was architecting the MySQL DBMS, writing automated testing scripts and crafting the application GUI, both pivotal in data management, control and software consistency.

### Custom Language Compiler

 [Project Link](#)

Tech Stack: C++, Bash

Nov 2022 - Dec 2022

</> Engineered a tokeniser-parser to identify diverse datatypes and assess syntax validity.

</> Designed an O(n) time-complexity lexical analysis algorithm and created a comprehensive testing suite with 10+ meticulous tests for precise compilation validation.

### Tic-tac-toe

 [Project Link](#)

Tech Stack: Java, Swing and AWT(Java GUI Libraries)

Apr 2022 - May 2022

</> Involved using software development strategies to produce the game at the least amount of time.

</> Developed a pseudo-random AI algorithm which used a pattern based system to defend/attack.

### Chess

 [Project Link](#)

Tech Stack: Python, PyGame

Feb 2021 - May 2021

</> Implemented a working chess game using the PyGame game library to create a bespoke game to examine the use of the minimax algorithm. A total of 2 game modes were produced i.e., multiplayer and single-player.

</> A sophisticated convoluted minimax algorithm was collaboratively developed with the expert guidance of my supervisor, effectively enhancing strategic decision-making in gameplay against the computer adversary through the maximization of optimal moves.