  **Number:** 07946053256 ​  **Email:** adamiqbal72002@gmail.com

**GITHUB:** https://github.com/Adam-I07

# PERSONAL PROFILE

I am a third-year student, studying BSc Computer Science at the University of Derby, currently on target to achieve a first. I am highly motivated and organised individual, with an immense passion for the work I do. I take interest in learning new programming skills and create projects in my spare time as a hobby. I am a quick learner and pick up new skills fast, whether this is learning new languages, algorithms or data structures. My experience has demonstrated my skills in working to strict deadlines whether it is alone or within a team of colleagues.



# KEY SKILLS (All source code for mentioned and more projects can be seen on <https://github.com/Adam-I07>)

* C, C#, C++, Python, PHP, Postman, HTML, AWS, JavaScript, SQL Server, MySQL, YAML, Linux, Grafana

**3D Model**

* Used C++ Win32 API to create and display fully rendered 3D models. These models are created using complex math and matrix manipulation to work out and draw the model using polygons with features such as polygon sorting and back face culling implemented to remove the polygons not in frame. I have also implemented Ambient, Point and Diffuse lighting as well as writing my own code to shade in the model. In the code you can find code to shade in the model using flat shading

**Hospital Information Management System**

* Used C# WinForms and SQL Server to implement an application that stores information about patient’s personal information, illness information and an interactive log feature that allows nurses/doctors to log their interactions with patients and view other interactions the patient in question has had with other doctors/nurses. There is also an admin portal section that allows the admin to add, edit and delete nurses/doctors to the system. All the information is stored in a database created by myself for this specific project in SQL Server.

**Crime Data Visualisation Website**

* Used PHP, MySQL, CSS, JavaScript, HTML to create a Crime Data Visualisation Website. The purpose of the website is to display extract data from a MySQL database using a REST API and display it in different forms such as Pie Graph, Bar Graph, Line Graph etc. The website allows the User to edit the existing data within the database from the website, add new crimes. All graphs are dynamically generated on run time with changes in the data reflected in the visualisation immediately.

**Lox Language Interpreter**

* Used python to develop an programming language interpreter, enabling seamless parsing, interpreting, and execution of programming languages. This project involved constructing data structures for syntax trees, implementing the interpreter core, and ensuring robust error handling for syntactic and semantic analysis. With error handling, handling user input mid program all implemented.



# EDUCATION

|  |  |
| --- | --- |
| **Computer Science BSc**  *University of Derby*   * Achieved Pro Vice-Chancellor/Deans Award for Academic Year 2020-2021 | 2020 - Present |
| **A Levels: Business (C), Computer Science (E),**  **Geography (C)**  *Derby College Joseph Wright Centre* | 2018 - 2020 |
| **6 GCSEs grades 6-5, Level 2 Pass IT** | 2013 - 2018 |
| Saint Benedict Catholic Voluntary Academy |  |



# EXPERIENCE

**Student Placement Software Engineer**

*LexisNexis Risk Solutions*  (July 2022 – July 2023)

* Throughout the placement year I worked with real world projects, developing solutions for new and existing projects with strict deadlines.
* Some of the languages and technologies that I was working with during the placement year included PHP, MySQL, AWS, Postman, Linux.

Working at LexisNexis Risk Solution I was exposed to how a real tech company functions, participating in daily stand-ups, out of office conferences, Quarterly Meetings, Stakeholder Calls and more.

**Sales Assistant**  (November 2023 – Current)

## Footasylum

* Interacting with customers while operating the tills, stocking the store, working in the stock room is key to give them the best customer service skills possible, increasing my confidence dealing with all types of customers.
* I also work as part of a team ensuring we are collectively able to complete the tasks at hand.

Working in a consistently fast paced environment which has taught me time management skills and perseverance.



# LANGUAGES

* English
* Punjabi
* Urdu
* Pothwari



*References available upon request*

