**Habiba Begum**

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## **Professional Summary**

I am a recent graduate with a first-class honours’ degree in BSc Computer Science which demonstrates how highly motivated and hardworking I am, with good time management skills with experience of working under pressure in a professional manner. I am currently working in a retail environment where I can use my excellent communication skills to deal with the general public with a passion to help others. I work well as part of a team but can also work effectively as an individual. I am looking to develop my skills and experience in coding and software development.

## **Skills and Technical Skills**

* **Computing languages:** C, C++, C#, JavaScript, R code, HTML, CSS, SQL.
* **Computing:** Highly capable in all areas of Microsoft Office

## **Education**

**BSc (Hons) Computer Science (1st)**

*Manchester Metropolitan University, September 2021 – August 2024*

* **Computer Architecture:** I learnt how to code in MIPS on the software MARS to create programs to solve the scenario presented.
* **Databases:** Using SQL on MariaDB, I created a database that held information about a boat shop’s products. I learnt how to retrieve every instance with certain information.
* **Programming:** Using Java on the software Oracle, I created programs and games that were interactive with user keyboards.
* **Team Project:** I effectively worked with a group to create an interactive user interface that allowed users to have pets and play games.
* **Web Development:** I used Visual Studio Code to code in HTML, CSS, and Json to successfully create my own celebrity website that allowed users to enter an emailing system.
* **Algorithms and Data Structures:** I used Visual studio to code in C# and C++ to create algorithms that created and sorted data in arrays. The codes searched through to find data; it would also store data in a tree using nodes.
* **Networks:** Using CISCO Packet Tracer, I created a virtual set up of an office scenario that would best suit a small example company.
* **Ethical Hacking:** I used Portswigger and Burp Suite to effectively carry out and demonstrate XSS attacks.
* **Operating Systems:** I learnt in depth, the process of the OS and how programs are loaded and executed. Along with potential issues and their prevention like deadlocks.
* **Software Development:** I created a timeline for a software development from gathering requirements to the final product. I learnt about the benefits and drawbacks of Agile and Waterfall development.
* **Thematics:** I worked alongside a group to plan and create an icebreaker game hosted on a website.
* **AI:** I learnt the multiple AI training models like Unsupervised and Decision Trees.
* **Research Methods:** Before writing my Disseration I had to look at the feasibility of it. I researched, performed risk assessments and created an ethical form that any users would sign prior.
* **Program Languages and Paradigms:** I created a basic hangman game with a timer in C, GO and Python. I compared the differences and similarities between each paradigm.
* **Distributed Computing:** I was given a C++ code that needed to be optimised using methods like multithreading, thread pooling to increase the efficiency of the code.
* **Research in Computing:** In Linux, I optimised code in different languages and read the energy and time taken to run to determine the most efficient code. I also optimised a website to decrease the amount of carbon produced per visit.
* **Dissertation:** My dissertation was on the Carbon Footprint and net zero agenda; this was the development of a website using r code to calculate a person/organisations carbon impact and how they could reduce it.

**A-levels: Chemistry (B), Computer science (B), Electronics (B**)

*Oldham Sixth Form College, September 2019- August 2021*

**9 GCSEs achieved between 8-5including Maths (7), English (6), and Science (8,8)**

The Radclyffe School, *September 2014- June 2019*

## **Work Experience**

**Customer Service Assistant**

*Primark, 16th June 2022 – Present*

* Provide customer service to the general public, to help customers with their queries.
* Use numerical skills to manage and check tills, ensuring tills are balanced and customers are given accurate change back.
* Maintain stock levels ensuring stock is replenished and presented neatly on the displays.
* Maintain cleanliness of changing rooms ensuring they are clear for customer use.
* Quality check products are in a good saleable condition and removed products that were not.

**Volunteer Tutor**

*2019 – Present*

* Help students to understand maths, science and computer science subjects.
* Communicate effectively to better help students by also adapting teaching styles.

**Warehouse Operative**

*Jacobson Group Warehouse, September 2021 – November 2021*

* Labelled products and packaged products to retail standard.
* Quality checked products matching labels and ensuring products were to consumer standards.

## **Hobbies and interests**

As a creative individual, in my spare time I enjoy designing and creating my own products and exploring new themes in textile design. I enjoy cooking and baking, where I have a passion for flavour and a love for creating new recipes. I enjoy spending my spare time socialising with friends and family and exploring new places.

## **References available on request**