

Usama Khaliq

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Objective

- To pursue a job opportunity in a competitive environment that will challenge me to push my boundaries and expand my knowledge in the field of computer science while allowing me to add value to the dynamics of the company.

Education

COMPUTER SCIENCE - BSC (HONS) | JULY 2022 | LONDON METROPOLITAN UNIVERSITY

CLASSIFICATION: FIRST CLASS HONOURS

Key Modules:

- **Logic and mathematical techniques**
Covered a range of mathematical techniques, including set theory, logic, relations, and functions, algebra, differentiation, and integration.
- **Data structures and specialist programming**
Covered data structures and algorithms in programming and technologies for building network and internet applications. Gained knowledge of building a web application with a backend database, using AJAX elements.
- **Software engineering**
Covered semantic approach to software analysis, design, construction, testing, deployment and maintenance. Gained knowledge of methods, techniques, and tools used in software development.
- **Databases**
Developed techniques for analyzing, designing, and implementing database systems. Covered practical aspects of developing database systems and used Oracle database system for this purpose.
- **Professional issues, ethics, and computer law**
Covered aspects of computer law, and social, ethical, and professional issues regarding the IT industry.
- **Network and operating systems**
Covered fundamental aspects of modern operating systems and computer networks. Gained key skills and knowledge regarding information systems, databases, websites, and scripts.
- **Creating a winning business**
Focused on giving a general knowledge of how business works, and the laws that govern the market. Actively developed a Business using business model canvas.
- **Formal Specification & Software Implementation**
The module introduces a model-based approach to the construction of software systems using formal specification languages as a basis for software development. It provides the knowledge and skills to produce formal specifications from informal descriptions and to implement them using appropriate programming techniques.
- **Distributed and Internet Systems**
This module gives knowledge of professional-level programming skills required for developing distributed software systems to solve real-world problems. It taught alternative conceptual paradigms, design patterns, frameworks and programming techniques for developing distributed systems for local networks, the Internet or the Web. The typical phases of the software development life cycle are covered using industry-standard languages and tools, for example, modelling (UML, XML), design, implementation and testing using popular IDEs.

- **Mobile Applications**

This module introduces a range of specialist programming techniques as applied to mobile platforms. Specific areas of study will include programming strategies for resource-limited portable devices – including reviewing key components through the development of exemplar applications using an appropriate mobile-based programming platform such as Java ME and Google Android.

- **Project**

This module further develops knowledge and skills in developing software applications for solving problems. It focuses on the data structures and algorithms in programming and the software technologies for building standalone, networked and Internet applications. The module is designed to enhance employability through the use of modern industrial tools and technologies, and familiarisation with the software development life cycle.

Skills & Abilities

HARD SKILLS

✓ Modern Programming Languages (Java, Python, Kotlin, JS)	✓ Mobile Development	✓ Database Management	✓ Cloud Computing
✓ Microsoft Package	✓ Website Development	✓ Research and analysis	✓ Agile methodologies

SOFT SKILLS

✓ Communication	✓ Problem Solving	✓ Teamwork	✓ Time Management
✓ Critical Thinking	✓ Adaptability	✓ Creativity	✓ Customer Service

LANGUAGES

- ✓ Italian – Mother tongue
- ✓ English – Professional Proficiency
- ✓ German – Educational Proficiency
- ✓ Urdu – Spoken

Experience

CASHIER | CHESTERS CHICKEN | SEPTEMBER 2019 - TO DATE

- Take Orders
- Prepare food
- Manage resources and timing
- Teamwork Oriented
- Communication
- Customer Service

Projects

FINAL YEAR PROJECT | CARTONIFY PHOTO TO CARTOON

- Web application in java that uses OpenCV library to convert image to cartoon, the web application is deployed using payara server.
- [GitHub Link](#)

RANSOMWARE SCRIPT

- A ransomware script in python aimed to understand how ransomware works, how a victim's computer is encrypted, the key is sent to the attacker and the decryption script to decrypt the computer.
- [GitHub Link](#)

CLIENT SERVER MESSAGING APPLICATION

- A java swing Client Server messaging application which allows multiple users to send messages and files as text messages.
- [GitHub Link](#)

BANK MANAGEMENT

- A java swing application which allows the user to do simple bank tasks, like adding new account holders, make transactions from certain users or delete an account.
- [GitHub Link](#)