

Kamal Khatri

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Personal Statement

Computing science student excited to contribute my academic learning in a company that values innovation. My academic path has been complimented with hands-on experience in customer service gained thanks to voluntary work at charity shop. This experience strengthened my communication, problem-solving, and teamwork skills. A software engineer placement allows me to supplement my academic and interpersonal skills in an area that interests me. I am genuinely interested in the back-end and software development role.

Education

Ulster University | BSc (Hons) Computing Science | September 2022 – July 2026

Year 1 Modules (Average Grade: 69%): Interactive Web Authoring (86%), Database System (68%), Programming 1 (Python) (65%), Programming II (Java) (72%), System Software (54%), Computer Technology (71%).

Year 2 Modules (Result Pending): Programming in Practice (Java), Software Product and Process Management, Computer Networks, Professional Development, Systems Security, Server-Side Development, Mathematics for Computing.

Malone College | A Level | GCSE | October 2017 – July 2021

A level: OCN NI level 3 Cambridge Tech (IT) (Distinction*), Moving Image Art (B), OCR level 3 Cambridge Diploma (Business Study) (Distinction*)

GCSEs: 9 Grades B-C* including Maths (B) and English (C*)

Work Experience

NI Hospice Charity Shop | Store Assistants Volunteer | July 2023 – Currently

- Managed day-to-day charity shop operations, including organising store displays to maintain a tidy and welcoming environment.
- Provided exceptional customer service, including greeting and assisting customers with a friendly and helpful attitude, while handling cashier duties accurately, securely, and efficiently with a smile, ensuring customer satisfaction.

Allstate NI Insight Program | 3 Day Insight Program | April 2023

- Learned about different concepts such as CI/CD, MVP, TDD, Data Visualisation and use of slacks in a team environment.
- Learned interview tips, how to use Linked-in, and did a small team exercise where we had to discuss a development of an application, including features, cost, security and testing.

Kainos Work Experience | 1 Week Work Experience | January 2019

- Received an introduction to the concepts of creating a website using HTML.
- Created a basic website in a group that gives information on types of bins and how to use them correctly, which was subsequently demonstrated to the employers on the last day.

Skills Profile

Technical Skills

- **Operating Systems:** Competent with: Windows 10, 11, Mac OS and Linux (bash)

- **Programming Languages:**

Python [[View Project on GitHub](#)]: Developed a YouTube Video Downloader programme that extracts video metadata and categorises downloads based on the title. Achieved the aim of learning how API works on a real-world project.

Java [[View Project on GitHub](#)]: Built a student registration terminal application as a part of Programming II course, allowing users to add, view, search and delete students and their course details including, part-time full-time, number of modules and fees.

JavaScript [[View Project on GitHub](#)]: Created a multi-page personal website for coursework and personal project, using Html, CSS and JavaScript implementing lessons learned from interactive web and YouTube courses.

React [[View Project on Github](#)]: Learned to create a 3D personal portfolio website using React and Three.js. The website also uses a email.js in the contact section which sends email directly to my personal email if they send me any messages.

- **Development Tools and Environments:**

Visual Studio Code, IntelliJ, PyCharm, NetBeans, Microsoft VirtualBox, SQL, Docker:
Utilised during coding projects and development tasks.

Git and GitHub: Used for version control. Azure for group projects.

Transferable Skills

- **Communication and Teamwork:** Demonstrated strong communication skills as a Charity Shop Volunteer by effectively addressing customer needs and inquiries, contributing to a positive shopping experience. Simultaneously, excelled in collaborative group work gained through academic projects and hackathon.
- **Problem Solving:** Demonstrated problem-solving skills through coding projects. Created a Python script for a YouTube Video Downloader, addressing technical obstacles such as retrieving video information, displaying and arranging downloaded videos into organised folders, depending on the video's title.
- **Initiative:** Over the summer started various projects, most notably the creation of 3D personal website inspired by YouTube tutorials. This project was done using React and Three.js, and the goal was to achieve seamless integration of 3D element. Learned many valuable lessons regarding UI and UX and taught me many useful optimisation techniques.

Extracurricular Activities

EY Hackathon | February 2023: Participated in a hackathon held by EY at Magee Ulster university campus, worked on a real-world challenge where we had to match coordinates from public job listing and public transport presented in Excel. We had to create a way to find how long candidates would have to travel from the nearest public transport to the job listed location. This experience still taught me valuable lesson about how one would approach and develop through observing other candidates. It also helps me towards Edge Award.

Regularly attended in company tech-talks and open nights, where business experts gave their perspectives on the newest trends and technology they use. One that stands out is Pytilia, whose conversation focused on research results on hardware level security rather than software.

Actively volunteer once a week for a local charity, while also begin part of course representative for Computing Science course.

References Available on request.
