

Ashish Matta

BSc Computer Science – DeMontfort University

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Personal Profile

A final year Computer Science student at DeMontfort University, on track to receiving 1:1. I am looking to start my career in software development, I aspire to use the knowledge gained from my personal projects and my education alongside the skill set acquired through my previous work experience to help further drive myself in the industry. I have developed a keen eye for detail whilst in the process of developing and deploying real world implemented full stack projects. I excel in both front and backend development and have received countless awards and recognition which I look to bring to this industry.

Education

DeMontfort University, Computer Science, 2018 – Present

BSc Computer Science, Year 3 (predicted 1st)

Year 1 Modules:	Results	Year 2 Modules:	Results
Database Design and Implementation	68%	Concurrent and Parallel Algorithms	80%
Cyber law and Cyber Security	80%	Software and Security Management	85%
Computer Programming 1	68%	Web Application Development	78%
Computer Networks	67%	Object Oriented Programming	72%
Mathematics for Computing	75%	Introduction to Research	70%
Computer Ethics	68%	Data Structures and Algorithms	87%

Watford Grammar School for Boys, 2016 – 2018

A-Levels - 3: Mathematics, Physics, Computer Science.

Queens School Watford, 2011 – 2016

GCSEs - 11: Maths, Computing, Statistics, Physics, Biology, Chemistry, Geography, English Literature, English Language, French, Physical Education.

Work Experience

Shift Manager, McDonalds, July 2019– present

Currently working at McDonalds as a shift manager alongside studying for my degree, this job allows me to manage a team of great enthusiastic workers to ensure we deliver fast and friendly service to our customer. Whilst on the job I have learnt about cash management in the restaurant, the amount of stock ordered to restaurant and ensuring targets for the financial quarters are being met. I have been able to develop my interpersonal skills when working in a busy and fast paced environment, to be able to communicate targets to the team clearly and assisting my colleagues and customers to ensure their time is more enjoyable.

Sales Assistant, Sainsburys, December 2018 – Feb 2019

During my time at Sainsburys, I was able to understand and follow the procedures for customer service, this was aided through my training I received from them. I was successfully able to maintain the cash counter in running condition, accepted payments and made entries accordingly. Demonstrated friendly and professional attitude towards the customers and assisting them with any inquiries they face.

Computing Projects

University Year 3 Project: Climate Visualisation Webpage (currently under development)- As part of my final year development project, I am currently developing a Climate Visualisation Webpage that allows policymakers in Kenya to make informed decisions when fighting climate change. This project will take all the historic data available on the region and display visual graphs that are easy to understand. The project is being developed in Python using Django framework, with additional HTML & CSS for design and Java Script for logic and logins for the system. With this data I will be able to implement a predictive climate API using the historic data with the user specified factors such as temperature and rainfall.

University Year 2 Project: Creating an E-commerce Website – As a part of our Agile module we were placed into groups and given a task to create an e-commerce website to host listing of our choosing. This website includes a functional and responsive homepage with a view

of listing of the products we offer. The webpage has an implemented login and check out page which users can use to complete the transactions and view the status of the parcels. This project is available on GitHub.

University Year 1 Project: Animations and Modelling – This project was created using Auto-Desk MAYA, to create 3D models and environments. This project used additional FX such as sound and SFX for smoke and fire. The animations were done by mapping out key frames and paths for objects to travel this in return gave me a greater understanding of the visualisation techniques and animations.

Computing A-Level Project: Dungeon Game – Made a 2D pixel game using unity and C#, developed a story-based RPG using own created sprites and animations. The game allows the user to input their characters name, the main characters can move freely in a level-based room and they can fire swords to take down enemies, all whilst avoiding projectiles from the enemies. A life system was implemented and is reduced relative to the damage taken by the enemy.

CREST STEM project – In a team designed and built a prototype for a sensory auditory glove for the visually impaired this was built using an Arduino kit which was attached to a glove. The glove uses a sensor to detect nearby objects and sends a vibration using a collection of motors to notify the user when in close proximity to an object.

Technical Skills

- I can program in a wide selection of different languages, including **Python, C, C++, C#, Java, JavaScript, Kotlin, Scala**
- Capable of creating **HTML5** website and have detailed experience with **SQL**
- Detailed experience of **Full web stack** development in **Python Django**, introductory experience with **NodeJS**
- Have worked on developing, **REST API's**
- Have worked with, and know, the **.NET** library
- Can work in all **Linux, Windows and Mac OSX** environments
- Frequent and skilled **GitHub** user

Key Employability Skills

Management skills: Shift manager at McDonalds both in Leicester and Watford taking care of crew of 100 people, ran society sessions and larger events, through university. Managed teams in university group work.

Communication: Learnt how to communicate clearly from tutoring and working collaboratively at university and during employment at McDonalds.

Team Member: Used to working in teams and groups on various personal, including use of git.

IT: A competent programmer who is skilled with software and use both windows and Linux operating systems.

Problem solving: Used skills for projects throughout university and previous projects.

Application of Numeracy: Can use maths from A-Levels to higher education, and apply to real world problems, especially regarding graphs.

Self-Management: Consistently ahead of university work whilst also finding time to work as a part-time manager, going to the gym and having social nights with my society.

Learning: Keen to learn new things, regularly teaching myself new skills and topics. Learnt all my tech skills from resources I find online.

Social Media Management: Successfully run all social media for my society such as Instagram and Discord.

Achievements, Roles & Hobbies

- Awarded GOLD CREST award for auditory sensory glove in 2018
- Chairman of Anime Society with 121 members
- Most Improved Player Award for Rugby 2018
- Received NCS certification for community in 2016
- DBS checked and First Aid Level 4 Trained
- Private tutor for STEM subjects at GCSE level
- Compete in Badminton tournaments
- Completed TECH workshops in university.
- Learning to play drums in my free time.

References

Pavan Patel [Business Manager] McDonalds Leicester | pavan@angusfraser.co.uk |

Dominika Bania [Business Manager] McDonalds Watford | baniadominika64@gmail.com |