Aashish Raja

MEng Computer Systems Engineering Student
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Results oriented aspiring Data Analyst with a passion for leveraging AI and ML to drive innovation, with a proven ability to deliver under pressure. Seeking challenging opportunities to further develop technical skills and contribute to cutting-edge projects.

Technology Stack

- C/C++
- Python
- Java
- JavaScript
- SQL
- scikit-learn
- Pandas
- C#
- HTML/CSS
- Mendix
- MATLAB/Simulink

Education

MEng Computer Systems Engineering
University of Sheffield
2021 – Present

Currently Pursuing IIII Year

- Systems Engineering and Object-Oriented Programming – Achieved a 1st(89%)
- Mechatronics – Achieved a 1st (79%)
- Group Control Project – Achieved a 1st (79%)
- MEng Group Project – Achieved a 1st (73%)
- Computer Security and Forensics – Achieved a 2:1 (67%)

Moulsham High School
2014 - 2021

A-Level

- Maths– B, Chemistry – B, Biology – B, Psychology – A, Extended Project Qualification – B

GCSE

- 10 GCSE's ranging from 8-6 including Chemistry – 8, Maths – 7, Physics – 7.

Projects

Group Control Project

- Designed an autonomous robot for autonomous path finding and a robot arm manipulator using inverse kinematics.
- Utilized Arduino Programming in C to accurately record sensor data and implement control.
- Developed robust hardware and software, including sensor integration and PID control.
- Successfully navigated the specified path with high precision, presented to an academic panel achieving a First-Class grade.

Project Pixel

Technical Team Lead

- Developed 2D games using C# within the Unity Game Engine.
- Effectively led a multidisciplinary team of programmers, musicians, and graphic designers to create a cohesive and engaging gaming experience.
- Mentored team members, ensuring efficient collaboration and effective communication. Played a key role in project planning, resource allocation, and quality assurance to deliver within deadlines.
- Successfully delivered well-received games with positive user feedback and engagement.

Digital Twin

- Involved in the development of a Digital Twin for a small-scale manufacturing plant.
- Created an IoT unified dashboard that consolidated data from plants nationwide, enabling holistic smart monitoring and machine analytics.
- Developed a user-friendly dashboard that visualized key performance indicators, identified potential issues, and provided actionable insights utilizing IoT technologies and RESTful APIs.

Personal Projects

- Currently working on a funnel analysis on a simulated e-commerce dataset to identify key conversion points and optimize user experience.
- Conducted an Exploratory Data Analysis of a Credit Card Transaction dataset, identifying key features of fraudulent transactions and creating a fraud detection algorithm using Python and scikit-learn

Employment

Administrative Assistant

NHS

2023 - Present

- Provided comprehensive administrative support to Main Outpatients Department within a fast-paced NHS environment with a multidisciplinary team with varying expertise.

- Efficiently managed patient appointments and outcomes, medical records, and correspondence.

Healthcare Assistant

NHS

2022 - Present

- Enhanced teamwork skills by collaborating with diverse healthcare professionals, fostering a supportive environment to deliver exceptional patient care.

- Developed my communication skills, through the opportunity to talk to a variety of patients and staff members with different levels.

Conferences

DigitalHealth AI + Data 2023

- Attended talks about the future of healthcare and the opportunities that AI could bring to the healthcare industry.
- Discussed with industry professionals about what innovative solutions may be needed to improve the healthcare system using Data Analysis and AI.

Certification

- Kaggle – Intro to Machine Learning
- Kaggle – Pandas
- Microsoft Power BI Data Analyst Professional Certificate – Microsoft (In Progress)

References

References can be provided on request.