

Uzair Amanat

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Personal statement

MSc Computer Science graduate with hands-on experience developing full-stack web applications using the MERN stack, Python, and cloud technologies. Skilled in building scalable systems, applying Agile practices, and collaborating in team environments. Strong foundation in software engineering, data structures, and databases, with additional exposure to AI and machine learning. Seeking a graduate role in software or data engineering where I can apply and grow my technical expertise.

Key Skills

- **Programming & Scripting:** Java, Python, JavaScript, SQL/NoSQL, C# (.NET)
- **Web Development:** React.js, Node.js, Express.js, HTML, CSS, API integration
- **Databases:** MongoDB, SQL
- **Cloud & Tools:** AWS, Git/GitHub, Figma
- **Methodologies:** Agile, Software Development Lifecycle, Unit/Usability Testing
- **Other:** Strong communication, teamwork, multilingual (English, Urdu, Arabic).

Education

Aston University – MSc Computer Science (2:1) (*Sep 2023 – Jan 2025*)

Key Modules: Object-Oriented Programming, Data Structures & Algorithms, Database Systems, Reliability & Testing, Human Computer Interaction, Software Engineering Processes

Aston University – BSc Psychology (2:1) (*Sep 2019 – Jun 2022*)

- Developed analytical and research skills, with exposure to statistical methods.

Solihull Sixth Form College – A-Levels (*2015 – 2017*)

- Psychology (C)

Al-Hijrah School – GCSEs (*2009 – 2014*)

- 9 GCSEs including English (A/A*), Maths (A), Physics (A*), Biology (A*), Chemistry (A)

Projects

Dissertation Project

- Designed and implemented a full-stack inventory management system for a wholesale food business.
- Built using MERN stack (MongoDB, Express.js, React.js, Node.js).
- Applied Agile methodology across the full SDLC: client interviews, design, implementation, testing.
- Improved stock tracking and order processing efficiency; received strong client feedback.

- Code available on GitHub.

Team Project

- Created an e-commerce grocery website as part of a 6-person team.
- Assisted in creating a business idea/brand, name and logo for the website.
- Was part of the frontend team, handled design of the interface using Figma, before implementing the design through component-based architecture in ReactJS.
- Utilised GitHub to collaborate and integrate codebase with team members across the project.
- Pitched and demoed the finished website to assessors.

Hangman Game

- Created a playable Hangman game using Python/Pygame.
- Contains a simple interface with functional game logic.
- Code available on Github.

Portfolio Website (ongoing)

- A portfolio website showcasing my personal information and skill/projects for display to potential employers.
- Used HTML/CSS/JavaScript.

Ecommerce website (ongoing)

- Created a website to display products and services for employer (KI Trades).
- Created using .NET (C#) for backend and React.

Hobbies & Interests

Watching sports (football, cricket, tennis, boxing, F1), gym and fitness, reading, coding personal projects.

Employment History

K.I. Trades – Warehouse Operative / Systems Developer (2014 – 2024, full & part-time)

- Designed and implemented an inventory management system (MERN stack) as part of MSc dissertation.
- Used Sage software for invoices and stock tracking.
- Handled customer enquiries (online & face-to-face) and provided support to business operations.
- Demonstrated reliability, initiative, and ability to balance studies with long-term employment.

References

A. Khan (Employer)
Business Manager
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