

Mohamed Salah

Email: mottsalah@gmail.com	Phone: 07470623324	Location: Birmingham, UK	LinkedIn: https://linkedin.com/in/mottsalah/	GitHub: https://github.com/mottsalah/github_portfolio	Driving Licence: Full UK
--------------------------------------	------------------------------	---------------------------------------	---	---	------------------------------------

PROFESSIONAL SUMMARY

MSc Computer Science candidate with a solid foundation in algorithms, data structures, and clean software design. Passionate about developing efficient, maintainable systems through disciplined coding and collaboration. Experienced in translating technical requirements into robust, well-tested solutions. Seeking a graduate software engineering role to contribute to high-performance, large-scale networking software and continue developing professional expertise.

CORE SKILLS

Programming: Python, Java, C#. Experienced with data structures, algorithms, debugging and performance optimisation.

Software Engineering: Object-oriented design, data structures & algorithms, unit testing, version control (Git/GitHub), Agile teamwork, requirements to delivery.

Networking & Systems: Exposure to network protocols, concurrency, multithreading and distributed systems concepts.

Tools: Visual Studio, GitHub, Power BI, SQL, Excel.

General: Stakeholder communication, technical writing, planning & prioritisation.

PROJECTS

Experiment W - Two-player cooperative puzzle-adventure (Unity/C#) (2024-2025)

- Designed and implemented modular, event-driven architecture using C#.
- Built AI agent logic through finite-state machines and integrated multi-threaded pathfinding systems.
- Applied version control, profiling and iterative testing to ensure performance and maintainability.
- Demonstrated end-to-end delivery of a complex codebase with consistent performance targets and clear documentation.

EDUCATION

Keele University - MSc Computer Science with Artificial Intelligence (2023-2025), 2:1

University of Nottingham - BSc (Hons) Biochemistry (2019-2023)

University of Birmingham School - A Levels (2017-2019)

Chemistry (A), Mathematics (B), Biology (B)

Bournville School - 10 GCSEs at A*-C

(2012-2017)

CERTIFICATIONS AND PROFESSIONAL DEVELOPMENT

Google IT Automation with Python — Coursera (In Progress)

Scientific Computing with Python — FreeCodeCamp (In Progress)

EXPERIENCE

Royal Mail – Parcel Driver (2025-2026 | Birmingham, UK)

- Delivered high-volume parcels across time-critical routes while meeting strict delivery SLAs.
- Used route-planning and handheld tracking systems to ensure accurate, auditable deliveries.
- Maintained compliance with safety, security and data-handling procedures.
- Managed workload independently while adapting to changing routes and priorities.

Halfords - Customer Service Advisor (2023-2024 | Redditch, UK)

- Managed bookings and service tickets using digital systems, improving turnaround accuracy and on-time completion.
- Collaborated across teams to resolve escalations, captured structured notes for repeatability and audit.
- Produced simple data insights to improve throughput and reduce repeat queries.

WHS Plastics - Quality Inspector (2024 | Birmingham, UK)

- Inspected automotive parts against specifications, documented non-conformities and supported corrective actions.
- Worked to targets while maintaining safety and quality standards.

Royal Mail - Parcel Sorter (2021-2022 | Nottingham, UK)

- Accurately sorted high-volume parcels under tight SLAs, maintained attention to detail and process compliance.

Kumon - Tuition Teacher (2020-2021 | Nottingham, UK)

- Taught Maths and English up to GCSE, tailored instruction and provided structured feedback.
- Communicated progress to parents and supported learners of mixed abilities.

ADDITIONAL

Languages: English (fluent), Arabic (fluent), learning Spanish and Norwegian.

Interests: Hiking, basketball, football, volleyball, gaming, travel.

References: Available on request.