# Mohamed Salah

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📍 Birmingham, UK

🚗 Full UK driving Licence

in https://www.linkedin.com/in/mottsalah/

🐙 https://github.com/mottsalah/github_portfolio

## 🎓 EDUCATION

**MSc Computer Science with Artificial Intelligence**
Keele University 2023 – 2025
2:1 predicted

**BSc (Hons) Biochemistry**
University of Nottingham 2019 – 2023

**A levels**
University of Birmingham School
2017 – 2019
Chemistry – A Maths - B Biology – B

**GCSE's**
Bournville School
2012 – 2017
10 GCSE's A* - C

## 📇 PERSONAL PROFILE

A dedicated MSc in Computer Science with Artificial Intelligence student with a strong foundation in programming, software development and problem-solving. A strong interest in software, seeking a role that utilises my skills, and collaborate with peers to design innovative, scalable and efficient solutions to solve real world problems, contributing towards business projects. Currently working on both personal and academic projects, including developing a recommendation system, and building a command-line text editor in C and to enhance my technical expertise.

## 🧑‍💻 IT AND TECHNICAL SKILLS

- **Programming:** Proficient in Python, R, MATLAB, SQL, C, and Java.
- **Software Design, Development and Testing:** Both team-based and individual skills throughout the entire software development lifecycle (SDLC). Collaborated effectively using agile and scrum methodologies, from planning and building requirements to design, implementation, testing, evaluation, and re-design. Familiar with DevOps practices for delivery of high-quality software, including implementing CI/CD pipelines. Knowledgeable in collaborative tools, such as Git, and with cloud-based technologies such as AWS and Azure for databases management and web applications, through my research project on business technologies. Educated in object-oriented design principles, following best practices such as SOLID.
- **Data Visualisation. Processing and Analysis:** Experience visualising data using Power BI and managing datasets with mySQL. performing statistical tests, and working with vector representations. Used WEKA to explore datasets, incorporating machine learning models, preprocessing data and evaluating performance. Used excel to visualise data and fiji to conduct a quantitative analysis in cancer research for my BSc dissertation. Experience in Bioinformatics, analysing and interpreting biological data.
- **Machine Learning and Artificial Intelligence:** Knowledge of machine learning algorithms (supervised, unsupervised), model training, evaluation and deployment, and deep learning concepts (including Artificial Neural Networks). Experience with recommendation systems and automated decision-making models.
- **Web Development Languages:** Proficiency in HTML5, CSS3, JavaScript, jQuery and Ajax, with some experience with the Node.js, React.js, and Bootstrap frameworks.
- **General IT skills:** Proficient in Microsoft Office applications (Word, Excel, PowerPoint).

## 👪 OTHER SKILLS

- **Teamwork:** Confident handling difficult situations and taking on assertive roles within a group, whilst keeping a positive attitude. Always self-reflecting and building on areas for improvement through teamwork in different settings, such as at work, within my degree and even sports.
- **Communication:** Working with diverse groups of people has trained my ability to be adaptable and flexible yet efficient in my communication. Through report writing, reflective analysis and essays, my written communication skills have been honed. Conveying complex ideas to both laymen and specialists has developed my verbal communication.
- **Organisation**: Setting goals and prioritising workload, to ensure a realistic schedule that adheres to time sensitive deadlines, is an important skill that I've applied in both professional and educational settings.
- **Business:** Throughout my course, projects and assignments have centred around real life scenarios, considering the needs of clients, stakeholders and people of interest. My Research and Consultancy skills module has developed my business acumen and ability to deliver expert advice.

- Hiking
- Gaming
- Sports (Basketball, Football, and volleyball)
- Travelling
- Learning languages (Fluent in Arabic, and English. Trying to learn Spanish and Norwegian.

## 💼 RELEVANT WORK EXPERIENCE

**Personal Project**
**2024 – Present**
- I am currently working on a project, developing a website for rating and reviewing shows, including a recommendation system. I have often found that people from various backgrounds and personalities have vastly different opinions on shows, leaving ratings and reviews as 'misleading'. This has driven me to work on this project where I hope to not only incorporate people's 'personalities', but to also integrate 'similar' people (perhaps through questionnaires when signing up) into groups, to produce a 'trusty' recommender system, while allowing data to be constantly input from 'like-minded' people in forms of reviews and ratings to further improve recommendations.

**Halfords**
**Customer Service Advisor**
**2023 – 2024 | Redditch, United Kingdom**
- Streamlined appointment scheduling and managed customer service tickets using digital systems.
- Delivered technical assistance and collaborated with teams to resolve complex customer issues.
- Maintained accurate customer records and provided data-driven insights to improve service.

## 📇 OTHER WORK EXPERIENCE

**WHS Plastics**
**Quality Inspector**
**2024 | Birmingham, United Kingdom**
- Inspected and assessed car parts to ensure compliance with quality standards.
- Collaborated with team members to meet production and delivery targets.
- Identified and reported defects, ensuring adherence to safety and quality guidelines.

**Royal Mail**
**Parcel Sorter**
**2021 – 2022 | Nottingham, United Kingdom**
- Tracking multiple packages at once to ensure correct delivery.
- Accurately sorting packages under a time limit Interacting with customers and adhering to their queries
- Reporting issues that arise and adhering to guidelines.

**Kumon**
**Tuition Teacher**
**2020 – 2021 | Nottingham, United Kingdom**
- Teaching Maths and English up to and including GCSE level.
- Using a range of teaching methods and techniques giving individualised feedback to parents. Working with multiple students at a time in a classroom setting.
- Understanding and reviewing material for students.