

# Azeem Malik

106 Turnbull Drive, LE3 2JW  
Leicester  
07599 656147  
[azeemmalik1025@gmail.com](mailto:azeemmalik1025@gmail.com)  
<https://azeemmalik.co.uk/>

## Education and qualifications

University of Birmingham (2025-2028)

- B.Sc. Mathematics and Computer Science

Beauchamp City Sixth Form, LE1 6JL (2022-2024)

- Achieved A-levels in Maths, Physics and Computer Science

Bosworth Academy, LE9 9JL (2017-2022)

- 12 GCSEs at grades 9 to 5 including English (5) and Maths (9)

## Projects

Web Server Database Development (10/2024)

- Designed and deployed a PostgreSQL database on an AWS RDS database. Then used an amazon EC2 instance to create a web server that communicated with the database.
- Enabled user interaction for database queries and modifications to a webpage written in php.
- Strengthened programming skills and wider Linux understanding.

Chess game (06/2024)

- Developed a chess game using Python and Pygame, implementing object-oriented principles for user-friendly gameplay.
- Used intermediate algorithms and mathematics such as matrices and binary search to efficiently create, flip and restart chess board pieces.

## Work Experience

Company: Lote Tree Tuition (08/2023-present)

Role: Mathematics and Physics Tutor

- Delivered tailored lessons to 10–18-year-old students in an online setting.
- Created educational content, including video resources, enhancing time management and teaching skills.
- Explained complex ideas and broke down theoretical concepts to make conceptualisation easier for students
- Managed groups of up to 30 children on Zoom, whilst keeping engagement.

## Skills

Communication  
Leadership  
Self-motivation  
**Programming languages:** Python, SQL, PostgreSQL, php  
**Technologies:** AWS (EC2, RDS, S3), Docker, Git  
**OS:** Linux (Ubuntu)

## Certifications

AWS Certified Cloud Practitioner  
(05/2025)

Built a solid foundational understanding of the AWS services and architecture behind the AWS cloud. Also learnt about security and compliance,

## Awards

Intermediate Mathematical Challenge - gold (2021)

British Physics Olympiad, Senior Physics Challenge - bronze (2023)

Senior Mathematical Challenge - gold (2023)

Ritangle Captain - final stage (2022)

Year 12 Advanced Mathematics Problems Course - distinction (2023)

Duke of Edinburgh - gold (predicted 2025)

## Volunteering

Scouts (2022-2025)

Created, planned, organised and led activities and sessions for young people from a variety of backgrounds.