

# Abul Kalam Choudhury

## Contact

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## Education:

### Queen Mary university (2025 – present):

BEng in computer systems engineering

### Valentines high school A-levels (2023 – 2025) :

Achieved: B in maths, B in computer science, C in physics

### Little Ilford secondary school

GCSEs (2025 - 2023): Achieved 9 GCSEs, including: 8 in maths, 8 in chemistry, 7 in biology, 7 in business studies

## Key skills

**Programming Languages:** Python, JavaScript, HTML, CSS, PHP

**Web Development:** Flask, OpenAI API integration, MCQ generation

**Server Management:** Building PCs, hosting Minecraft servers, and setting up NAS solutions, docker

**Tools & Technologies:** Apache, XAMPP, OpenAI API, GitHub

**Other Skills:** AI-based question marking, algorithm design, debugging, Problem-solving and analytical thinking, Attention to detail, Communication, Teamwork & collaboration, Adaptability, Time management & organisation, Customer service orientation, van driving

## References

[Available upon request.]

## Objective

*A driven and goal-oriented individual passionate about computer science and problem-solving. I am currently pursuing a Batchelors in computer systems engineering at Queen Mary, building on my strong technical foundation and creative mindset. My interests lie in coding, developing server solutions, and creating intuitive platforms. I am eager to gain hands-on experience in a challenging role where I can further my knowledge and skills in software development and computing.*

## Experience

### Argos – delivery driver (September 2025 to December 2025)

- Gained experience driving a long wheel base van
- Experience using warehouse management systems

### Spring pod Work Experience – Software Engineering (Completed: 2024)

- Gained hands-on experience in software development projects.
- Developed teamwork, patience, and problem-solving skills.

### CEF work experience – sales (from 2021 – ongoing, once a month on weekends):

- Developed teamwork and leadership skills, and customer service
- Learnt about different hardware and electrical infrastructure

### Freelance Projects

- Built **Compute Companion**, a revision platform with AI-driven features, including question generation and automated marking.
- Designed and implemented server solutions for hosting web applications and gaming servers.

## Key Projects

### Compute Companion

- Developed a revision website for A-level students, featuring: Exam Practice Section with AI-generated multiple-choice questions. Topic-Specific Section with automated answer marking.
- Integrated OpenAI API for adaptive question generation.

### PC Building & Server Hosting

- Built a high-performance tailored pc for gaming and multitasking
- Configured an Intel system to host a Minecraft server and NAS with 700 Mbps upload/download speeds.
- Configured a web server to use docker to deploy multiple web applications that integrate both systems.

### Website building

- Built a website that takes mp3 files from my Nas and then deploys them on a website where you can listen to each one and create playlists. Essentially like Spotify web without the adds
- Built a web version of a maze game

## Achievements

- Developed a functional revision website with innovative AI-based features.
- Successfully hosted a dynamic revision website integration of AI
- Completed Spring pod's Software Engineering program with distinction.