

Abul Kalam Choudhury

Contact

Akchoudhury2@hotmail.com

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 Bachelors 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.