

Waseef Mohammad Khan

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EDUCATION

King's College London

London, United Kingdom

BSc Computer Science with a Year in Industry

Sep 2023 - July 2027

Relevant Modules: **Programming Practices and Applications, Introduction to Software Engineering, Data Structures, Database Systems**

EXPERIENCE

THE HEADSTARTER - SOFTWARE ENGINEERING FELLOW

July 2024 - Sep 2024

- Led and collaborated with cross-functional teams using **Agile** methodologies to **manage project timelines** and deliverables across **6 AI-powered projects**, including a final capstone.
- **Finalist** in the 2nd Hiring Hackathon, teaming up with 3 peers to develop and **launch** an intuitive DevOps tool for the Dataloz track.
- Gained hands-on experience with Next.js, Firebase, **RAG**, Pinecone, SonarQube, AWS, and various **LLM models** through weekly project development.
- Drove user engagement, achieving **300+ interactions** across 5 projects and nearly **4000+ social media engagements**.
- Expanded professional network by connecting with **50+ fellows** and software engineers.
- Demonstrated **strong problem-solving skills**, maintaining a coding problem-solving average of 75%, with a peak score of 85%.
- **Organised** and facilitated in-person networking events for Headstarter fellows in London, UK.
- Participated in weekly sessions with engineers from Google, Y Combinator, Stanford, Amazon and venture-backed startups.

W-15 INTERACTIVE (AMATEUR) - FOUNDER

May 2018 - Present

- Led teams of 3-4 and released 6 2D-jRPG games, achieving **3500+ interactions** & **450+ downloads**.
- Reached more than **5000 users** on social media.
- Participated in multiple **game jams**.
- **Designed** and regularly updated the blog website.
- Built the [main website](#) using React, Node.js, and Material UI.
- Launched **Calgwin EduLabs**, an **EduTech** page focused on teaching computer science concepts, programming, AI and other technologies.

BIO- BY AIESHA (AMATEUR) - SOCIAL MEDIA MANAGER

May 2020 - Present

- Managed YouTube channel, Instagram and Facebook pages for an education page focused on medical sciences and biology.
- Reached **2000+ users** through posts, comments and direct messages.

PROJECTS

Games under W-15 Interactive | [LINK](#)

June 2018 - Present

- Led a team of 3-4 to release 6 2D jRPG games using the RPG Maker engines.
- Focused mainly on game design, story writing and quality assurance.
- Collaborated with 2 individuals and 2 organisations for competitions.

OrbitFind | [LINK](#)

September 2024

- Led a team of 4 to launch an event discovery platform with gamified elements and AI features. Users can search and RSVP to events, as well as host their own events, earning badges and achievements.
- Achieved over 500+ in user activities, and 130+ waitlist users.
- Tech Stack: React, Tailwind, Flask, MySQL, Node.js, AWS, Python, TypeScript.

GitLogz | [LINK](#)

August 2024

- Collaborated with 3 people to build a DevOps tool that monitors & flags declining code quality in open source repositories.
- **Finalist submission** for Headstarter's 2nd Hiring Hackathon.
- Tech Stack: React, Material UI, Express, Node.js, PostgreSQL, SonarQube, Python.

StellarDeck | [LINK](#)

August 2024

- Developed a flashcard SaaS that leverages AI to generate flashcards from collections.
- Achieved over 100 user activities within the first 7 days.
- Tech Stack: Next.js, Material UI, Firebase and TypeScript.

HeartSpeak | [LINK](#)

August 2024

- Developed an AI-powered mental health chat assistant with user authentication.
- Tech stack: Next.js, Tailwind, Firebase, AWS EC2, AWS Bedrock API.

PantryPilot | [LINK](#)

August 2024

- Developed a pantry management app with image upload functionality.
- Tech Stack: Next.js, Material UI, Firebase, GitHub Actions, Vercel.

Submission for Europe Regional Terminal | [LINK](#)

May 2024

- Co-developed a powerful tower-defence algorithm for Terminal C1 using Python.
- **Winner of £1000** by raffle, obtained by defeating one of the boss algorithms.

Wedge - AI-Powered Productivity Platform | [LINK](#)

June 2024

- Developed an AI-powered task management application that generates subtasks for tasks through RAG. It also has an AI productivity assistant.
- Tech Stack: React, FastAPI, Azure CosmosDB w/ MongoDB, Azure OpenAI, Langchain.

EXPerience | [LINK](#)

March 2024

- Led a team of 4 in building a task and habit management application using MongoDB, Express, React, Node.js, and Bootstrap.
- Implemented both the frontend and backend, making sure the API endpoints are responsive and working correctly.

NatureNetwork. | [LINK](#)

February 2024

- Led a team of 4 in building a volunteer matchmaking platform that allows people to create postings for volunteer work, matching them with people based on tags and preferences.
- **Winning submission** for KCL Tech's FirstYearHack 2024.
- Tech Stack: MongoDB, Express, React & Node.js.

SKILLS SUMMARY

- **Languages:** JavaScript, TypeScript, HTML, CSS, Python, SQL, Java
- **Frameworks:** Node.js, React, MongoDB, Express.js, Django, FastAPI, Next.js, AWS, Firebase
- **Skills:** Full-stack, Frontend, Backend, RESTful APIs, AI Engineering
- **Soft Skills:** Storytelling, Leadership, Project Management, Public Speaking, Teamwork