

KABIR GHAI

Software Engineering Intern

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📍 London, England

SUMMARY

- Computer Science undergraduate specialising in Artificial Intelligence, proficient in Python, Java, SQL, and web technologies.
- Achieved **1st out of 200 participants** in the University's Advent of Code 2024, demonstrating proficiency with competitive coding challenges
- Innovative problem-solver with a passion for delivering high-impact solutions in software development and AI.
- Assisted the backend with developing a blockchain-secured platform for confidential therapist-patient communication during a hackathon, ensuring data privacy and integrity
- **Seeking a Software Engineering Internship** to contribute in a collaborative environment, committed to continuous learning and professional growth.

EXPERIENCE

Flagstone (London, England)

📅 08/2024 - 08/2024

- Shadowed a senior engineer for 14 days, where I gained insights into company workflows, project management and how companies use Microsoft Azure
- Enhanced understanding by engaging in 2 one-on-one discussions with CEO on vision and strategies
- Showcased teamwork in FinTech industry by completing 2 collaborative projects successfully

Bright Young Things Tuition (London, England)

📅 10/2019 - 11/2023

- Organised and led two Computer Science Summer Schools, teaching programming fundamentals to 20 children aged 10-13
- Mentored students ages 3 to 16 in Maths, English and Computer Science
- Promoted to Centre Supervisor within 12 months for exceptional performance, volunteering contributions, and high student achievement across 60+ learners
- Collaborated with other tutors to devise individual student plans with weekly feedback sessions

PROJECTS

AoCode

📅 12/2024 - 02/2025

I designed a customisable Python-based IDE for Advent of Code, featuring a custom-built syntax highlighter, quick submission system, automated problem fetching, and a personalised utility file for each user.

- Improved code execution security by utilizing Python's Subprocess library with over 30 tests
- Utilised PySide to create a simplistic UI with the question on the left, and the code panel over a terminal on the right
- Implemented functionality for automated input retrieval and result validation, streamlining the problem-solving process

PantryPal

📅 02/2024 - 05/2024

I implemented a web app using Streamlit, LangChain and the Serper image API that generates personalised recipes, taking into account user preferences like healthiness or cooking difficulty, from user inputted ingredients.

- Ensured recipe accuracy and relevance via AI prompt optimization and a user-driven review system, allowing users to flag unsatisfactory recipes for improvement
- Containerized the app using Docker and deployed it via Microsoft Azure Container Registry, ensuring scalable and consistent deployment
- Built a global recipe-sharing page to foster community inspiration, enabling users to post and explore recipes created by others

ACHIEVEMENTS



Received Scholarship in recognition of outstanding GCSE performance



Awarded 1st place in my university's Advent of Code 2024



Silver Arrow 2022 - Archery competition



Successful projects in three hackathons



Developed two Summer Schools



Promoted to Centre Supervisor within a year

TECHNICAL & SOFT SKILLS

NLP • Python • SQL • LangChain • Java • GitHub • Git • Microsoft Azure • Visual Studio Code • Object-Oriented Programming • Agile Methodology • Javascript

Leadership • Presenting • Teamwork • Problem-Solving • Communication • Patience • Time Management • Humility

EDUCATION

Computer Science with AI

The University of Kent

📅 09/2023 - Present

- Yr1: First Class (82%)
- Yr2: First Class (predicted)

A Levels

The John Lyon School

📅 09/2021 - 09/2023

- Maths, Computer Science, Economics

GCSE's

The John Lyon School

📅 09/2016 - 09/2021

- 9 GCSEs Including Mathematics and Computer Science (Grade 9/8)

MY LIFE PHILOSOPHY

"Do not try to become a person of success but try to become a person of value."

Albert Einstein