

KABIR SURI

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Portfolio - <https://kabir505.github.io/Portfolio/>

EDUCATION

King's College London – BSc Computer Science

Expected Graduation: 2025

Working Grade: First Class

Relevant Modules: Software Engineering, Artificial Intelligence, Data Structures, Practical Experience of Programming, Foundation of Computing, Database Systems, Operating Systems and Concurrency, Programming Language Design.

WORK EXPERIENCE

Lead Website Developer – The West London Clinic (TWLC)

February 2023 – Current

- Designed and developed TWLC's website, consistently innovating new features and driving user engagement through an intuitive user-friendly layout.
- Proactively ensured the website's seamless operation by continuously monitoring the performance, diagnosing, and resolving technical issues, as well as constantly improving search engine optimization.
- Achieved a 50% boost in viewership, through regular updates and client meetings ensuring high user satisfaction.

Technology Support Engineer Intern - Conde Nast

June 2023 – August 2023

- Addressed diverse technical challenges, providing exceptional customer support to over 80 users, both technical and non-technical, and achieving a 100% satisfaction rate using both problem-solving and analytical skills.
- Conducted Black Box testing on an unreleased Slack Bot Artificial Intelligence, assessing its functionality and user interface, individually and collaboratively with cross-functional teams.
- Presented to multiple groups of 20+ employees, delivering insights on company technology and software usage, while actively assisting with system setups.

Software Engineer Intern – Wayra UK

January 2023 – March 2023

- Collaborated with an Agile team of 10 individuals to develop a Venture Capital Portfolio Management web application in Python (Django), HTML, CSS & React, aimed at assisting startups and scaleups in accessing information and fostering connections with companies, investors, and founders.
- Group and Client meetings to clarify the user requirements and group roles.
- Utilized Scrum and Kanban boards, to ensure effective project management on user stories and their progression.
- Led the successful deployment of the application, garnering high satisfaction across all stakeholders.

PROJECTS

Music School Management System (Python – Django):

- Led a team in designing and implementing a robust Django application for efficient music lesson management, catering to both teachers and students.
- Leveraged the Model-View-Controller architecture to empower students with the ability to request and book lessons, including flexible scheduling and teacher preferences.
- Demonstrated leadership skills in guiding the team to create an intuitive interface and comprehensive administrative functionalities for teachers, enabling lesson acceptance and student management.

Shop Assistant Robot (Python):

- Developed a shop assistant robot, utilizing a TurtleBot3, to aid in item delivery from storage to customers within a simulated shop environment.

- Constructed a robot state machine using SMACH to manage customer interactions, including waiting for customer recognition, processing requests, navigating to the storage room, and delivering items to customers upon identification.
- Successfully integrated video simulation tools into the environment for testing and validation.

Predator & prey simulation (Java):

- Developed a comprehensive simulation of a habitat in Java, demonstrating the interdependence of various species and their interactions with the environment, using an Object-Oriented Programming paradigm.
- Modeled external factors such as plants, diseases, and weather, each exerting specific impacts on the animal populations.
- Utilized advanced algorithms, development, and models to predict population dynamics and graphically visualize the fluctuations over time.

KEYS SKILLS

- **Languages:** Python, Java, C++, Scala, HTML/CSS, JavaScript, MATLAB
- **Technologies/Frameworks:** Linux, Unix, Git, GitHub, Pandas, Chromium, WordPress, Beavers Build, AWS

EXTRACURRICULAR

10+ years of cricket experience, playing for Bexley District Cricket Team and volunteering to mentor aspiring youngsters in sport, teaching them different techniques, which refined my teaching and public speaking abilities whilst honing my leadership and teamwork skills.

Zero Gravity Mentor, providing guidance to students in academic and personal growth. Improved communication and assertiveness skills.

KCL Robotics, created a working shop assistant in Python using ROS that helps deliver items from the storage room to customers, it waits for customers and asks which item they are looking for.