Sukant Sondhi

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An enthusiastic undergraduate student with advanced skills in leadership, Computer Science and team building. A polished and hard-working individual who is always ready to take on challenges. A good listener with commendable communication skills who is always intrigued about acquiring new knowledge.

Experience

MENTOR for Programming | 09/2022 – Current
Code Camp – Egham, Surrey
- Maintained student safety inside and outside classrooms in line with school safeguarding policies.
- Helped students master learning concepts through one-on-one and small group tutoring.

MENTOR for Mathematics | 09/2022 – Current
Royal Holloway, University of London – Egham, Surrey
- Helped students master learning concepts through one-on-one and small group tutoring.
- Organised and distributed learning materials, homework and classroom supplies.

SPORTS CO-ORDINATOR | 09/2021 – Current
Royal Holloway, University of London – Egham, Surrey
- Developed specific training and exercise programmes to meet individual requirements and team play strategies.
- Built strong media and community relationships in support of sports programmes.

Education

Royal Holloway, University of London – Egham, Surrey

Bachelor of Science (Sep 2021 – June 2025)
Artificial Intelligence

Skills

- Java
- C
- TDD
- Git
- Python
- CSS
- MATLAB
- Leadership
- MySQL
- Teamwork

Projects

Robotics (July 2022 - Current)
- Working in a team to design an Elephant robot that reacts to users in a dynamic environment.
- Developed the program in **Python** and **Java**, to run on **LeJOS EV3 Microcontroller**.
- Programmed various actions and emotions for the robot, for example, raising its trunk when happy, shaking its tail when petted, etc.

RC Car (June 2022 – July 2022)
- Designed RC Car controlled by a PS5 controller via **Bluetooth**.
- Developed the program to run the car in **Python**.

MappRo (February 2022 – June 2022)
- Lead a Team of 5 for a project, 'Mapping Robot' made with **LeJOS EV3 Microcontroller**, developed in **Java**.
- The robot went around the room and mapped the layout of the room on your screen.
- Designed an option to set danger/private/inaccessible areas and print that area in a different colour.

Song Suggester (January 2022 – February 2022)
- Designed a **text-based** program in **Java** to suggest songs to the user.
- Based upon users preferred genre and listening history, the algorithm searched through **binary trees** to recommend the next best choice for the user.
- Gave the user an option to save their current playlist for better recommendations.

Accomplishments

- **UK Corporate Games 2022-2023 -** Rank 6 Badminton Men's Singles Open.
- **Royal Holloway, University of London Sports Volunteering Award**.
- **Ideate for India** - Selected out of 130,000 students for giving new scientific ideas & solutions to modern problems.