

ARUN SINHA

London, arunsinha0802@gmail.com, <http://www.linkedin.com/in/arunsinha1>

Master's student in Electrical and Electronic Engineering, currently undertaking a gap year focused on climate action and sustainable energy. Passionate about applying engineering principles to develop practical, data-driven solutions that expand clean energy access and drive sustainable development in real-world contexts.

EDUCATION

Electrical and Electronic Engineering Beng and Meng | University of Bristol SEPT 2022 – JUN 2027

Bachelor's Project: Wireless Energy Transfer for EVs Using Solar Power during Motion

Programming Languages: Python, C, VHDL

Digital Circuits & Systems, Embedded Systems, Applied Machine Learning for Engineering Systems, Power Electronics & Drives, Engineering Mathematics, Signals & Communications

GCSE and A-levels | St. Olave's Grammar School SEPT 2015 – JUN 2022

- Recipient of the H.G. Abel Prize (Jun 2022) – Awarded to students who achieved 3 A*s
 - A-levels : Mathematics (A*), Physics (A*), Design and Technology (A*). AS-Level: Computing (A)
 - Physics – 9, Mathematics – 8, Chemistry - 9, Biology - 9, Geography - 9, Design Technology - 8, Computer Science - 8, English Language - 8, English Literature - 7, German – 7
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EXPERIENCE

Project Manager/Electrical Engineer | PEEDA NOV 2025 – MAR 2026

- Relocated to Nepal to primarily contribute to the “eCooking in School Kitchens” project – transitioning rural kitchens from biomass to electric cooking schools.
- Created and managed a project for the testing of a locally manufactured induction hob, analysing performance data and user feedback.
- Supporting the preparation of technical reports and presentations for government and NGO stakeholders.
- Working closely with local engineers and community partners to promote sustainable energy access and behavioural change in off-grid regions.

Accommodation/Senior Manager | Ardmore Language School SUMMER 2025

- Directed residential operations for 250+ international students across multiple houses, ensuring smooth coordination of logistics, welfare, and student experience.
- Led a diverse staff team, providing training and guidance to maintain consistent standards of care and communication.
- Responsible for all residential operations, including room allocations, arrivals/departures, and coordination with housekeeping and catering teams to ensure smooth daily functioning.
- Actively contributed to the pastoral care team, supporting safeguarding, student welfare, and conflict resolution to maintain a safe and inclusive environment.
- Oversaw emergency and incident response, ensuring compliance with safeguarding policies.

Summer Contracted Travel Agent | Switzerland Travel Centre SUMMER 2022, 2023 AND 2024

- Won STC Excellence Award (Aug 2023) – Determined by colleague votes, primarily for creating engineering plans utilized for office renovations. Received complimentary Interrail Ticket for European Travel.
 - Managed group travel logistics for large groups of up to 40+ travelers to Switzerland and across Europe, applying project management and attention to detail.
 - Developed my own macro scripts to automate repetitive tasks, reducing ticket processing time by 90%, freeing time to handle more complex tasks and responsibilities. These macros were implemented across the team, and I was invited back to update these in 2023 and 2024.
 - Managed my own small to medium sized business clients as well as individual travelers, providing expert advice and helping them book their travels from the initial consultation to the final invoice.
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OTHER ACHIEVEMENTS AND INTERESTS

- Enjoy solo travel and backpacking, having independently managed logistics, budgeting, and accommodations on multiple trips.
- Trained in piano (ABRSM Grade 6), drama, and dance. Performed lead roles with Helen O'Grady Drama Academy and was selected as a lead dancer for an international TV production.
- Recreational golfer (current handicap: 15)