

NAVIK BANDARA

+44 7824 704534 || navikbandara16@gmail.com || Linked in: www.linkedin.com/in/navikbandara

As a diligent student at University of Oxford, finishing my Masters in Engineering, I am looking for an opportunity which allows me to utilize my education and work experience, while gaining further valuable work experience in a team oriented environment. I believe my passion and talent in data analysis and machine learning will make me an ideal candidate for the position.

Education and Qualifications

- University of Oxford, MEng in Engineering Science (October 2022 – June 2026)**
 - First Year – (2.1)
 - Second Year – (2.1)
- Elizabeth Moir School, Sri Lanka (September 2019 – June 2021)**
 - Edexcel A-levels – Mathematics (A*); Further-Mathematics (A*); Physics (A*); Chemistry (A*)
 - Edexcel IGCSE (9 subjects) – Mathematics (9); Further-Mathematics (9); Physics (9); Chemistry (9), Biology (9); Accounting (9); English (6); ICT (9); Geography (9)

Work Experience

- AI research: to classify lower body exercise posture, Oxford University – October 2024: May 2025**
 - Designed and built a prototype using 5 IMU sensors for a feasibility test to classify squat posture
 - Literature review on Biomechanics of squats
 - Designed protocols and conducted a data collection involving 423 participants to train the AI models.
 - Built a transformer machine learning model for feasibility test, achieving 98.5% accuracy (surpassing the current state of the art CNN model's accuracy of 80%).
- Waiter/Bartender, Paradise Soho – June 2023: October 2024**
 - Utilized Sri Lankan heritage to authentically curate drinks and enhance guest experiences, enriching Soho with genuine culinary insights and superior customer service.
 - Rotated through all FOH positions including host, server, bartender and runner, demonstrating adaptability in a fast-paced environment.
- Operation Team Member, St, Catherines College, University Of Oxford, March 2023: May 2023**
 - Assisted in the setup and breakdown of conference spaces, audio-visual equipment, and signage.
 - Addressed and resolved issues that arose during events, demonstrating strong problem-solving abilities.
- Site Supervisor, Janana Holdings – June 2021: February 2022**
 - Redesigned the methods used for calculating labour wages, scheduling workers and machines, and placing orders for on-site materials to make them efficient and reduce number of supervisors needed per site.
 - Collaborated with the project manager and site engineer in morning discussions to ensure my site maintained an acceptable progress rate to meet deadlines.
 - Conducted daily morning briefings with site labourers and machine operators to distribute daily workload which allowed me to ensure the entire staff was well motivated and was aware of the site status.
 - Developed and implemented a tracking system for daily material deliveries, ensuring material usage remained below 75% of the quantities specified in the BOQ.
 - Achieved the highest profit percentage (25%) of among all interns of the year.
- Project Development, Lake Drive Leisure Park – January 2020: June 2021**
 - Excelled in high-pressure environments, meeting strict deadlines during the launch of a leisure park.
 - Designed and administered surveys in the local city to gather critical data, enabling the development and proposal of innovative leisure activities.
 - Negotiated with international manufacturers to secure high-quality equipment while remaining 10% under budget

Extra-Curricular Activities

- Finance Team Member in F1 Team (University Society) – October 2023: June 2024**
 - Conducted meetings with team leaders to review progress on improvements and record incurred expenses.
 - Prepared the process planning, financial forecasts and presentations for the year-end conference.
- Cardano Crypto Society Team Member – October 2023 : June 2024**
 - Organized multiple events to increase awareness of Cardano Crypto and increase attendance by 20%.
 - Helped organise and run ETH Oxford hackathon 2024.
 - Organized 2025 Online Oxford Cardona mini-hackathon, which got international participation.

Skills

Communication, Team working, Leadership, Attention to detail, Adaptability, Python, MATLAB,

Microsoft Office, Report Writing, Problem Solving, Machine Learning, JavaScript, HTML, MongoDB, React.