

Nickhil Naiker

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OBJECTIVE

I am a final year student at the University of Technology Sydney and am studying a Bachelor of Mechatronics Engineering (Honours) and Bachelor of Creative Intelligence and Innovation. I am seeking to work in a position that involves the use of robotics and emerging technology as my career interests are heavily invested towards its surrounding innovation and creative engineering.

EDUCATION

Bachelor of Engineering Honours, Mechatronics

Feb 2018 – Dec 2023 (expected)

Distinction in:

- Design and Innovation, Math Modelling 2, Thermodynamics, Dynamics and Control, Engineering Communications, Physical Modelling and Electronics and Circuits.

Bachelor of Creative Intelligence and Innovation

Feb 2018 – Dec 2023 (expected)

Distinction in:

- Past, Present Future of Innovation, Leading innovation, Creative Practice and Methods, Creativity and Complexity, Problems to Possibilities and Initiatives and Entrepreneurship.

EXPERIENCE

- **Engineers without borders challenge on delivering renewable energy in Cambodia.** The solution we proposed involved utilising the abundance of rice husk to generate steam energy and taking advantage of the water's current at nearby rivers for hydro-electric power.

Feb 2018 – May 2018

- **Designing a machine that can move to a load, mechanically lift this load, and transport it to another area.** This was done through using C# to program the vehicle to move and modelling software to 3D print.

Aug 2019 – Dec 2019

- **An embedded system challenge to improve the current road traffic management system.** This was attempted by designing a small-scale simulation of lights, where priority would be given to a lane with the most vehicles, to prevent congestion as well as a pedestrian crossing timer.

Aug 2020 – Nov 2020

- Collaborating and forming a **partnership agreement with ‘Discusoo’, an AI-based platform for serious discussions.** Requiring us to communicate with the founders and suggesting methods on enhancing the users experience on the platform and commercialise the website.

Dec 2020 – Jan 2021

- Working with **Mastercard** on how to innovate within their industry, using customer data. The concept we pitched was a mobile app that used **augmented reality and mapping technology** to create a shop assistant.

June 2019 – July 2019

- Creating a proposal for Macquarie Group **on how to develop a space that ensures a seamless, intuitive, and positive user experience** to promote the engagement of new users that take the metro.

Feb 2021 – June 2021

EMPLOYMENT

iEngineering Australia internship

Jan 2020 - present

- Basic understanding of Accredited Service Provider Level 3.
- Engaged in site surveying and visits to locations that required the reallocation or installation of street light poles and transmission and distribution lines.
- Research and development in fields such as Hydrogen Fuel Cell technology, Computer Vision, & LIDAR.
- Managing the company logistics.

EXTRACURRICULAR

- Competing in soccer under several clubs, participating in leadership, team management and fundraising.
- Volunteering in food fundraiser run by iEngineering Group for school and residential damage caused by natural disasters in Fiji.

SKILL

Transferable:

- Problem solving, time management, project management, excellent communication in teams, critical thinking, the ability to work under pressure and punctual in attendance.

Technical skill:

- Arduino uno, C# programming, Microsoft Office, MATLAB, Solid works, Adobe, Visual studio, Google applications

LANGUAGE

- English, Hindi, Urdu, and Punjabi

REFEREES

- Available upon their requesting's