

JEEVANANDHAM VAVINAN

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EDUCATION

National University of Singapore

Aug 2022 - Present

Bachelor of Engineering in Computer Engineering, Honours

- GPA: 4.29/5.0
- Expected Date of Graduation: July 2026

PROJECT EXPERIENCE

mBot Project

Oct 2022 - Nov 2022

- Executed and deployed a mBot to navigate through unfamiliar terrains.
- Utilized and integrated ultrasonic and colour sensors for geometrical data and colour recognition, ensuring high precision and accuracy.

Navigation Robot Project

Jan 2023 - Apr 2023

- Designed, developed, and tested rescue robot integrating LiDAR and Hector SLAM technologies.
- Incorporated and integrated Raspberry Pi and ROS Noetic for unparalleled efficiency.
- Coordinated a collaborative team to ensure effective efforts and high mission success rates.

React Web Application, Orbital

Apr 2023 - Aug 2023

- Designed, developed, and deployed a React web application to enable students to form effective project teams.
- Utilized ReactJS and Firebase in developing interactive website features: Realtime data, Chat Function, Posts, Post Creation.
- Coordinated and collaborated in a team of two to ensure effective work rates.

ACHIEVEMENTS

- Awards: 1st place in Science and Technology Quiz Competition conducted jointly by National Council for Science and Technology Communication (NCSTC) and Tamil Nadu State Council for Science and Technology (TNSCST) in PRIST University. (Jan 2019)

LEADERSHIP EXPERIENCE

Singapore Armed Forces, Section Commander

Nov 2021 - Jul 2022

- Served as a section commander with rank of 3rd sergeant during national service.
- Fulfilled tasks and duties assigned timely with high standards.
- Lead and supervised a group of servicemen to achieve mission success in all tasks.
- Cultivated proper safety and security practices in my depot as the Safety Officer-in-Charge (OIC), achieving zero major accidents during service.

SKILLS

- Proficient in English (Spoken and Written)
- Creative thinking and adaptive learning
- Programming Languages: C++, HTML, JavaScript, ReactJs Framework and Firebase
- Web development (ReactJS framework, CSS, HTML, Bootstrap, firebase)
- Proficient with Microsoft. Office Suite (Word, PowerPoint, and Excel)