

# T. Daranidarran

tdaranidarran@gmail.com | [Portfolio Website](#) | [LinkedIn](#) | [GitHub](#) | Singapore

## Education

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### Bachelor of Engineering, Computer Engineering

Expected Graduation Jun 2024

Nanyang Technological University (NTU) – Singapore

Courses: *Data Structures & Algorithms, Blockchain Tech, Neural Networks & Deep Learning, C++ OOP, Data Analytics & Mining*

## Experiences

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Society of Starfish – Singapore.

Aug 2023 – Present

### Software Engineer Volunteer

- Built a web app that streamlined student attendance tracking to reduce administrative work for NGO volunteers (**NextJS, ExpressJS, GraphQL, Firebase**).
- Accelerated attendance tracking process by 60%** by implementing CRUD features such as displaying attendance records in a calendar and posting/deleting remarks; implemented auto-messaging feature using WhatsApp API.

ChangeX – Singapore.

May 2023 – Aug 2023

Freelance UI Designer & Mobile Engineer – PanTree B2C Development team.

- Collaborated with clients to design and build mobile app that allowed restaurants to sell near-expiry food items at discounted prices (**React Native, Redux, React Navigation, Figma**).
- Designed app screens to meet client requirements; cached data using Redux to **reduce API calls** made by **20%**.

99.co – Singapore.

Nov 2022 – May 2023

Software Engineer Intern – Full-stack development on Leads Generation team

- Designed and built Customer Relationship Management (CRM) app by **translating complex business ideas into programs** for Lead Generation project expansion (**Python, Google App Script, Sheets, Drive, Big Query**) – [Case Study](#).
- Integrated improved programs resulting in **80% more callable leads** for telemarketers; **saved 45 mins/day spent for enquiry distribution** through automations, increased lead to agent mapping success rate by **5%**.
- Developed **SEO-optimized** landing page for keyword "HDB resale price" and related keywords to increase 99.co website visibility; achieved a Google site **ranking of 1** (**React.js, Redux, Prismic, Ahrefs**) – [Website](#).

Nextweb Technologies – Remote.

Jan 2021 – Jul 2021

Front-End Web Developer Intern – Customer Relationship Management (CRM) Engineering team.

- Designed and built a feature of web app that enabled communication between customers and their teams which helped improve business relationships and sales life cycle (**HTML, CSS, JavaScript, Figma**).
- Collaborated with clients to optimize user workflow, resulting in **20% faster interface interactions**; learned to optimize app's loading times by integrate **AJAX** and **API** calls into feature framework, **increasing dynamic data updates by 30%**.

## Projects

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IPFit – [Website](#), [Git](#) and [Case Study](#)

Jun 2022

- Led a team of 4; built **AI powered fitness app utilising Computer Vision**; aimed to help NSMen train for IPPTs by checking and correcting their exercise postures. Placed in top 10 of DSTA BrainHack 2022 (**React.js, TensorFlow**).

NFTLock – [Website](#), [Git](#) and [Case Study](#)

Oct 2022 – Nov 2022

- Led a team of 3; designed and developed responsive **decentralized app** to allow **Non-Fungible-Token** holders to protect their **ERC721** assets from malicious smart contracts (**React.js, Solidity, web3.js/Ethers, OpenZeppelin**).

**Programming:** JavaScript, Solidity, HTML, CSS, Python, C/C++, Java, Embedded C

**Other Tech:** Git, Next.js, React.js, React Native, MongoDB, Express.js, GraphQL, web3.js/Ethers, Bootstrap/Tailwind UI