

Anish Sinha

anishsinha2003@gmail.com, 0431843729, <https://www.linkedin.com/in/anish-sinha-9a369b222/>

Portfolio: <https://anish-sinha-portfolio.netlify.app/>

SUMMARY

Profile

- Committed undergraduate student majoring in software engineering and biomedical engineering.
- Enjoy working in teams to solve problems and enhance analytical and technical talents.
- Real passion in software engineering and creating something which helps people in the real world.
- Enjoy working on software and biomedical projects (see Relevant Projects section)

WORK EXPERIENCE

Full stack Software Developer

July 2024 -

Rio Tinto

- Front End development
 - React and Next.js
 - MUI library
 - Typescript
- Backend Development
 - C# .NET application
 - API development
- Database
 - Oracle Forms

Supervisor at Restaurant

November 2021 - February 2023

Restaurant

- Formed rosters for a specific week.
- Improvement in team leading capabilities
- Evaluated problems and worked under time constraints.
- Mentored

RELEVANT PROJECTS

- Sunswift Racing:
 - Sunswift Racing is Australia's top solar-electric development project, being crowned champions in the 2023 Bridgestone World Solar Challenge. I am part of the software (Technical Support System) team where we are currently working on a website which helps track and monitor the materials/products that come in for the car.
- My portfolio created in ReactJS:
 - Link: <https://anish-sinha-portfolio.netlify.app/>
- A website which allows anyone access news from around the world on a category or query specified.
 - Link: <https://newsify-anish.netlify.app/>
- An application which allows anyone to chat anyone anywhere anytime. They can log in via Github, Gmail or anonymously:
 - Link: <https://global-chat-anish.netlify.app/>
- A full stack project which allows people to search up movies and Tv shows and read the reviews on it using IMDB database:
 - Link: <https://film-fluent-anish.netlify.app/>
- A mobile application word game created in SwiftUI and XCode. The app has not been published to the AppStore, however, you can see the local preview below:

- Link: <https://youtu.be/d1rodmjvH4M>

- Data Scraper - Required groups to develop and design an MVP responsible for scraping disease data from multiple data sources and collates said data in a concise/clean manner for users to view.
- Communication service using TCP/UDP - Developing an application generating data at host devices, and shares data between devices and central server.
- 3D 4 health - Project consisting of manufacturing and evaluating new medical implants with robustness and multi-functionality using cutting-edge metal/polymer 3D printing.
- Non-invasive model to recharge electrical implants - Developing a product allowing patients to recharge electrical implant wirelessly (over skin)

EDUCATION

Master of Biomedical Engineering/Bachelor Software Engineering University of New South Wales

January 2021 - November 2025

- Part of UNSW Rocketry
- Sunswift Racing
- Participated in VIP (Vertically Integrated Project) project – 3D 4 health (see more in projects section)
- Current WAM – Distinction
- Completed multiple software projects.
- Completed course work (all scored at least distinction): Data structure and Algorithms, Networks and Application, Database Systems, Web Frontend Development

Cherrybrook Technology High School

January 2017 - December 2020

- Graduated with ATAR of 96.15
- Peer Support, Sports Captain
- Subjects: Extension 2 Maths, Advanced English, Physics, Biology, Software Development

TECHNICAL SKILLS

- Python, C and Dafny (verification language), Haskell, Shell, HTML, CSS, JavaScript, ReactJS (also ValillaJS), SwiftUI, Java
- Database management (SQL and PostgreSQL)
- Successfully detect problems through testing (unit testing and integration testing) and proficient in debugging/fix those problems.
- Experienced Git user
- Component and UI testing through cypress for frontend
- Designing communication protocols for the edge network based on TCP and UDP connections.
- Deploying services – Heroku, Neltify, AWS