



# Siddharth Iyer

Computer Engineering Student

## 👤 Profile

Highly motivated and results-oriented engineering student with a strong foundation in software development, DevOps, and project management. Experienced in building innovative solutions across various industries, including medicine, aerospace, and startups. Passionate about leveraging technology to address real-world challenges.

## 📁 Employment History

### Product Engineer at Catlovers Veterinary Clinic, Melbourne

February 2024 — Present

- Designing a prototype for an implantable glucose meter for veterinary use.
- Collaborating with Dr. Jim Euclid to ensure project adheres to ethical and technical requirements.

### Propulsion Engineer at Monash High Powered Rocketry (HPR), Monash University

October 2023 — Present

Ground station equipment development for the Propulsion subteam.

- Actively designing and constructing the Pad station for the Solaris hybrid engine.
- Developing communication systems utilizing LoRa interface and LoRaWAN gateway.

### Software and DevOps Engineer at Route · Volunteer, United Kingdom · Remote

July 2021 — June 2022

- Managed DevOps environment in staging and production.
- Developed software using TypeScript and Rust for a full-stack web application.
- Actively participated in company decision-making process

## 🎓 Education

### Bachelor of Engineering (Honours), Monash University, Melbourne

February 2023 — Present

Electrical and Computer Systems

## ★ Projects

- Developed PoC prototypes for authentication systems in various languages (Rust, Crystal, Typescript, Python) to benchmark security and performance.
- Built various side projects including static websites (Gatsby), dynamic websites (WordPress), hardware projects (Arduino, Raspberry Pi), and a self-navigating drone utilizing find3 framework and TensorFlow.

## Details

Melbourne

Australia

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## Links

[Personal Website](#)

## Skills

Programming Languages: C, C++, Rust, Typescript, Python

Frameworks: Rancher, Terraform, GraphQL

DevOps Tools: Hetzner, Proxmox, Storj, Backblaze, Cloudflare

Soft Skills: Communication, Teamwork, Problem-Solving, Leadership, Business Acumen, Self-motivated, Open to feedback

Engineering tools: Solidworks, Matlab, Altium Designer, KiCAD, Creo Parametric, TI CCStudio