NAAVIN RAVINTHRAN

Computer Science Student

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in Naavin Ravinthran

' WHO AM I?

Computer Science Student from Monash University (Malaysia). Has a keen interest in *security-related* topics and participated in CTFS such as Google CTF 2021, 2022, Nahamcon CTF, and F-Secure Cybersecurity Competition.

Likes *Open-Source* software, and is an avid *Linux* user. Am a *team player*; Did hackathons, CTFs and university assignments in teams.

Current GPA: 3.553 (Out of 4.0) **Current CGPA:** 3.825

RELEVANT SKILLS

Cybersecurity – Took Cybersecurity Unit (High Distinction), and was SIG Lead for Cybersecurity.

Web Development – Has experience with HTML, Javascript, Ruby on Rails and PHP.

Malicious AI and Dark Side Security – Took the Malicious AI and Dark Side Security Unit (High Distinction) where I learnt about attacks on Machine Learning Models and prevention techniques.

EXPERIENCE

2022 – 2023

Software Engineering Intern — ServiceRocket (Malaysia)

As an Intern in ServiceRocket, I worked on key web applications for ServiceRocket's customers. I worked on an Atlassian Jira plugin for maintaining dashboard systems using React, Typescript, and Atlassian Connect. Had the experience to work in a professional working environment, and learn various new technologies such as Serverless architectures and certain AWS technologies.

```
React  /  Typescript  /  HTML  /  Serverless
```

2021 – 2022

Special Interest Group (SIG) Lead for Cybersecurity — Club in Monash University (Malaysia)

Club for Cybersecurity in Monash University (Malaysia). Hosted workshops on:-

- Reverse-engineering programs using disassemblers/decompilers
- Debugging using gdb/radare2
- Solving CTF challenges
- Attacking Network Protocols

Slides available at `https://b1te.my/self_published/`

I also made monthly security challenges for students and was responsible for introducing/organising external guest speakers from the industry.

2018 – 2018
Work Experience

Work Experience — Rambutan Coding Academy

2 week work experience during the semester break. Programmed a DVD Rental website with Ruby on Rails and HTML/Javascript and Postgresql, deployed via heroku. This was a similar assignment they give as an interview assignment when hiring for their company. Project was deployed through heroku.

Code: `https://github.com/Diesel-Hadez/rambutan_vr`

```
Ruby on Rails  /  Javascript  /  Postgresql  /  Linux
```

2017 – 2018
Freelance

Web Developer for School Transcript System — OTS Transcript System

Developed with a team a school transcript system to generate PDFs of students' transcripts. This was an automated system where teachers just needed to enter students' marks on a locally hosted website (made with the Bootstrap framework) on school premises, and the backend service (made with php and python) would automatically create the PDF transcript for them, complete with their Average Mark, and rankings in the school. Project was deployed through a locally hosted server in the school.

```
PHP  /  Javascript  /  Python  /  Bootstrap
```

HOBBY PROJECTS

2022 — **OpenGL Engine**
An OpenGL engine made with C++, which I made I use to learn more about SOLID OOP Principles.

Code: `https://github.com/Diesel-Hadez/opengl-engine`
`OpenGL / C++ / CMake / emscripten`

2020 – 2021 — **Monthly CTF Challenges**
Created monthly CTF (Capture the Flag) challenges, where I presented a coding problem and invited students to solve it for a cash prize. Some of the projects were deployed to DigitalOcean.
Code: `https://github.com/Diesel-Hadez/monthly-challenges`

2020 — **VforVector Hackathon OpenGL Game**
A game made in a couple days with OpenGL and C++, made for a Hackathon where the goal was to make an educational game. Here, I made a 3d game in C++, where it quizzes the user on Vector questions in 3d space.
Code: `https://github.com/Diesel-Hadez/vforvector`
`OpenGL / C++ / CMake / emscripten`

2020 — **B1TEMYOS Operating System**
An operating system I developed to learn more about low-level operating systems internals such as paging and interrupts.
Code: `https://github.com/Diesel-Hadez/b1temyos`
`Operating Systems / C++`

Others — **You can view other projects of mine on my Github:** `https://github.com/Diesel-Hadez?tab=repositories`

EDUCATION

2020 – current — **Bachelor's Degree** **Monash University (Malaysia)**
Bachelor's Degree in Computer Science with a specialisation in Advanced Computer Science.

2018 – 2020 — **A-Levels** **Kinabalu International School**
A-Levels in Mathematics, Information Technology, and Business Studies.

2013 – 2017 — **SPM** **Sabah Tshung Tsin Secondary School**
Sijil Pelajaran Malaysia (12 subjects)

LANGUAGES

English
Malay

FUN FACTS

- Climbed to peak of Mount Kinabalu
- Did English Literature in SPM (A)

HOBBIES

- Game development, OpenGL programming, Qt Programming.
- Hackathons (DHL Hackathon, Sabah EduHack (winning team and best hacker)).
- Casual Cycling.
- Piano (Grade 6 ANZCA).

QUALIFICATIONS

2023 **OSED EXP-301** **Offensive Security**
Exploit Development certificate with binary exploitation skills including Return Oriented Programming, Egghunting, String format vulnerabilities, etc.

2022 **Machine Learning** **Coursera**
Machine Learning MOOC with Octave/MATLAB programming assignments.

E-RESUME

Digital version of this document!

SCAN ME