

# Kaviraj Vijayanthiran

[+60 12-325 2026](tel:+60123252026) [023kavi@gmail.com](mailto:023kavi@gmail.com) [LinkedIn](#) [GitHub](#)

Final year software engineering student with a drive for exploring and working on the latest software technologies. Experienced in building full-stack applications and DevOps practices such as deployment automation, infrastructure provisioning and systems administration. Eager to apply problem-solving skills and contribute to innovative software projects. Seeking a full-time position that integrates software development skills, cloud computing and DevOps practices.

## Skills

**Programming:** JavaScript, TypeScript, Java, Python, Scala, Kotlin, PHP, HTML, CSS

**Frameworks/Libraries:** React.js, Express.js, Java Spring Boot, Flutter, Android Jetpack

**Database Management Systems:** MySQL, PostgreSQL, SQLite, Oracle

**DevOps:** Git & GitHub, Docker, AWS, Linux, Jenkins CI/CD, Apache & Nginx, Prometheus, Bash & PowerShell Scripting

**Design:** Figma, Adobe Creative Suite

## Education

Bachelor of Software Engineering August 2022 – Present (August 2025)  
*Sunway University & Lancaster University*

Foundation in Information Technology July 2021 – May 2022  
*Asia Pacific University*  
CGPA 3.67

## Professional Experience

Software Engineering Trainee January 2025 – Present (April 2025)  
*Exabytes Enterprise Sdn. Bhd.*

- Worked on a full-stack **React.js & Express.js** project that automates provisioning and validation of VMs on VMware cloud.
- Implemented **Infrastructure as Code (IaC)** with **Terraform**, **CloudFormation** and **AWS CDK** to provision resources on AWS.
- Configured and deployed web services using **Apache**, **Nginx (reverse proxy)**, and **Docker** for full-stack applications.
- **Monitored real-time system resource metrics** and implemented automated system **data collection** using **Prometheus**, **Bash** and **PowerShell** scripts with scheduled execution.
- Automated **CI/CD pipelines** using **Jenkins**, **AWS CodePipeline**, and **GitHub Actions** to **deploy** applications from GitHub to a Virtual Private Server and push Docker images to Docker Hub.

## Extra-curriculars & Projects

### Competitions

**ImpactXChange Hackathon 2024** 19/08/2024 – 29/08/2024

Sunway University

- Participated in a 9-day hackathon programme with workshops focusing on **sustainability and green coding**.
- Teamed up with two participants to build a working **offline payment system** using **Flutter**, **Express.js**, **React.js & PostgreSQL**, for use in areas with restricted internet access.

**Taylor's University Battlebots Competition 2024** 05/2024 – 06/2024

Sunway University

- Attended weekly workshops to learn **C++** coding for **Arduino** and **computer-aided design (CAD)** with Autodesk Fusion 360.
- Collaborated with five classmates to **design a remote controlled battlebot**.
- **Won 2<sup>nd</sup> place** in the final battlebots competition.

## Extra-curriculars & Projects (cont.)

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### Techlympics Malaysia Data Science Challenge 10/2023 – 11/2023

Sunway University

- Self-learned various data analytics tools such as **Python's Pandas** and **Matplotlib** libraries to analyse datasets provided by data.gov.my.
- Worked with two peers to **analyse a chosen dataset** and **present our findings** in the **final stage** of the data science challenge.

### Projects

#### TackBoard 12/2024

[GitHub](#)

Personal Project

- Built a full-stack **React.js, Bootstrap, Java Spring Boot** and **PostgreSQL** to-do application with user authentication and persistent storage.

#### DigiDiary 07/2024 – 08/2024

[GitHub](#)

Sunway University

- Worked on a digital diary **mobile application** in **Kotlin** and with **Android Jetpack**, with multi-page navigation and **SQLite** (Room) database persistent storage.

#### CityWatch 11/2023 – 12/2023

[GitHub](#)

Sunway University

- Developed a **forum website** for reporting issues in a township, with **HTML, CSS, PHP** and the **XAMPP** stack.

### Awards

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- 2<sup>nd</sup> Place Winner of Taylor's University Battlebots Competition – **June 2024**
- Top 10 Finalist of Data Science Challenge, Techlympics Malaysia – **November 2023**
- Jeffrey Cheah Entrance Scholarship – **August 2022**