

# Akilesh Jayakumar

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## PROFILE

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Final-year Computer Science student focusing on Big Data and Cybersecurity. I am actively seeking opportunities for a 6-month, full-time credit-bearing internship in Software Engineering or Cybersecurity. I aim to leverage my academic background and technical skills to contribute effectively in a business environment.

## EDUCATION

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### University of Wollongong (SIM Campus)

Bachelor of Computer Science, Big Data and Cybersecurity

Oct 2022 – Present

### Singapore Institute of Management (SIM Campus)

Diploma, Information Technology | CGPA: 3.313/4.0

Oct 2021 – Sep 2022

## INTERNSHIP EXPERIENCE

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### CPF Board | Automation Intern

Dec 2023 – Present

- Developed a Sentiment Analysis App with GPT-3.5 API integration, enhancing and automating HR processes and data management in Python.
- Utilized Pair and prompt engineering techniques to execute test cases and plans elevating software reliability.
- Automated workflows in CPF AppFolio using Microsoft Power Automate directly improving performance.
- Research in tools and products used across the Whole of Government, including Government on Commercial Cloud (GCC), SG Tech Stack (SGTS), Pair and LaunchPad.

## SOFTWARE PROJECTS

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- Portfolio Website:** [GitHub Repo](#) | [Live Site](#) | *Next.js, TypeScript, React, Tailwind CSS*
  - Developed and designed a responsive and user-centric portfolio website, prioritizing UI/UX design with effective state management. Deployed seamlessly on Vercel with Git integration for continuous updates.
- ChatGPT Clone:** [GitHub Repo](#) | [Live Site](#) | *HTML, CSS, JavaScript, Node.js, Express.js*
  - Engineered a ChatGPT clone showcasing backend proficiency by enabling real-time interactions with the chat bot via GPT-3.5 API calls. Deployed seamlessly on Render with Git integration for continuous updates.
- Flip A Coin Game:** [GitHub Repo](#) | [Live Site](#) | *HTML, CSS, JavaScript*
  - Created an engaging coin flip game, enhancing user interaction through clickable elements and simulating coin flip animations. Successfully deployed on GitHub Pages with Git integration for continuous updates.
- Password Generator:** [GitHub Repo](#) | [Live Site](#) | *HTML, CSS, JavaScript*
  - Implemented a password generator tool, focusing on user experience to deliver unique and secure passwords. Successfully deployed on GitHub Pages with Git integration for continuous updates.

## SKILLS

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**Languages & Frameworks:** Python, SQL, JavaScript/TypeScript, HTML/CSS, Tailwind CSS, React, Next.js, Node.js, Express.js

**Dev Tools & Libraries:** Git, GitHub, OpenAI API, MongoDB, Figma, Microsoft Power Automate, Microsoft Power BI

**Cybersecurity:** Knowledge in Cloud Technologies, Cyber Threat Intelligence, ISC2 CC certification (in progress)

## COMMITMENT PERIOD FOR CREDIT-BEARING INTERNSHIP

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### Availability:

- 6 months, Full-Time
- (5 days/week)
- Start Date: 3 June 2024
- End Date: 27 December 2024

**University Approval:** University of Wollongong (SIM Campus) approval required for academic credit.