

# Akilesh Jayakumar

jayakuma006@mymail.sim.edu.sg | +65 90126409 | [LinkedIn Profile](#) | [GitHub Profile](#)

## 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 Bot integrating GPT-3.5 via API calls and Microsoft Power Automate, automating HR use cases and enhancing file and data management (CSV/Excel).
- Executed test cases and plans using Pair and prompt engineering techniques, directly improving software quality and reliability.
- Enhanced CPF AppFolio suite efficiency by automating workflows and deploying Python scripts through Microsoft Power Automate.
- Gained practical experience and knowledge in tools and products used across the Whole of Government, including SG Tech Stack (SGTS), Pair, LaunchPad, and Government on Commercial Cloud (GCC).

## 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 robust 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, React, Next.js, Node.js, Express.js

**Dev Tools & Libraries:** Git, GitHub, Vercel, Google Colab, Microsoft Power Platform, OpenAI, NLTK

**Cybersecurity:** Knowledge in cloud technologies (Azure/AWS/GCP) and cyber threat intelligence. Currently working on ISC2 (Certified in Cybersecurity) (CC) certification.

## COMMITMENT PERIOD FOR CREDIT-BEARING INTERNSHIP

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**Availability:** 6 months, full-time

- Start Date: 1st July 2024
- End Date: 27th December 2024

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