

# 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)

Oct 2022 – Present

Bachelor of Computer Science, Big Data and Cybersecurity

### Singapore Institute of Management (SIM Campus)

Oct 2021 – Sep 2022

Diploma, Information Technology | CGPA: 3.313/4.0

## INTERNSHIP EXPERIENCE

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### CPF Board | Automation Intern

Dec 2023 – Present

- Developed a Sentiment Analysis Bot with GPT-3.5 API, automating HR tasks and enhancing data management (CSV/Excel), leveraging Microsoft Power Automate and Python for streamlined operations.
- Reduced user testing time by 30% through automation enhancements in Python applications, leading to improved performance and efficiency.
- Led automated test cases using Pair and prompt engineering, directly improving software quality and reliability.
- 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 Project** | [\(Click here for GitHub Repo\)](#) [\(Click here for Website\)](#)
  - Developed and designed a responsive website using Next.js, TypeScript, React, and Tailwind CSS. Prioritized UI/UX design, implemented effective state management, and deployed on Vercel with Git integration.
- ChatGPT Clone Project** | [\(Click here for GitHub Repo\)](#) [\(Click here for Website\)](#)
  - Developed a ChatGPT clone with frontend (HTML, CSS, JavaScript) and backend (Node.js, Express) components, leveraging GPT-3.5 API for AI interactions in real-time, and deployed on Render with Git integration.
- Flip A Coin Game** | [\(Click here for GitHub Repo\)](#) [\(Click here for Website\)](#)
  - Interactive Coin Flip Game simulating coin tosses with clickable fun. Developed with HTML, CSS, and JavaScript for engaging interactions, and deployed on GitHub Pages with Git integration.
- Password Generator** | [\(Click here for GitHub Repo\)](#) [\(Click here for Website\)](#)
  - Password Generator crafting robust and unique passwords. Implemented using HTML, CSS, and JavaScript for a user-friendly experience, and deployed on GitHub Pages with Git integration.

## SKILLS

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

**Dev Tools & Libraries:** Git, GitHub, Vercel, Google Colab, Microsoft Power Automate/Power BI, OpenAI

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

## COMMITMENT PERIOD

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**Credit-Bearing Internship Availability:** (Start Date: 1 July 2024 | End Date: 27 December 2024) (6-month, full-time internship).

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