

# Akilesh Jayakumar

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## PROFILE

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

<b>University of Wollongong (SIM Campus)</b> Bachelor of Computer Science, Big Data and Cybersecurity	Oct 2022 – Present
<b>Singapore Institute of Management (SIM Campus)</b> Diploma, Information Technology   CGPA: 3.313/4.0	Oct 2021 – Sep 2022

## INTERNSHIP EXPERIENCE

<b>CPF Board</b> Automation Intern	Dec 2023 – Present
<ul style="list-style-type: none"><li>Developed a Sentiment Analysis App in Python with GPT-3.5 API integration, enhancing and automating HR processes and data management.</li><li>Utilized Pair and prompt engineering techniques to execute test cases and plans elevating software reliability.</li><li>Automated workflows in CPF AppFolio using Microsoft Power Automate directly improving performance.</li><li>Research in tools and products used across the Whole of Government, including Government on Commercial Cloud (GCC), SG Tech Stack (SGTS), Pair and LaunchPad.</li></ul>	

## SOFTWARE PROJECTS

- 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.
- ChatGPT Clone:** [GitHub Repo](#) | [Live Site](#) | *HTML, CSS, JavaScript, Node.js, Express.js*
  - Developed 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.
- Flip The Coin Game:** [GitHub Repo](#) | [Live Site](#) | *HTML, CSS, JavaScript*
  - Developed an engaging coin flip game, enhancing user interaction through clickable elements and simulating coin flip animations. Deployed on GitHub Pages.
- Password Generator:** [GitHub Repo](#) | [Live Site](#) | *HTML, CSS, JavaScript*
  - Developed a password generator tool, focusing on user experience to deliver multiple, unique and secure passwords. Deployed on GitHub Pages.

## SKILLS

**Languages & Frameworks:** Python, SQL, JavaScript/TypeScript, HTML/CSS, Tailwind CSS, React, Next.js, Node.js, Express.js  
**Dev Tools & Libraries:** Git, GitHub, Vercel, Figma, Microsoft Power Automate/Power BI, MongoDB, OpenAI API  
**Cybersecurity:** Knowledge in Cloud Technologies, Cyber Threat Intelligence, ISC2 CC certification (in progress)

## COMMITMENT PERIOD FOR CREDIT-BEARING INTERNSHIP

**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.