Akilesh Jayakumar

jayakuma006@mymail.sim.edu.sg | +65 90126409 | LinkedIn Link | GitHub Link | Portfolio Website Link

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

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

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

- **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.
- **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.
- **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.

SKILLS

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

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.