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

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 App with GPT-3.5 API integration, enhancing and automating HR processes and data management in Python.
- Implemented Pair and prompt engineering to execute test cases and plans elevating software reliability.
- Automated workflows in CPF AppFolio using Python scripts via Microsoft Power Automate, while researching 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**: 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

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

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.