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 Bot with GPT-3.5 API, automating HR tasks and enhancing data management (CSV/Excel), using 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.
- Executed test cases and plans 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** - GitHub Repo | Live Site
  - Technologies: Next.js, TypeScript, React, Tailwind CSS
  - Developed 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
  - Technologies: HTML, CSS, JavaScript, Node.js, Express
  - Engineered a real-time interactive ChatGPT clone, integrating GPT-3.5 model API calls. Showcased backend proficiency and deployment strategies by hosting on Render with Git integration.
- **Flip A Coin Game -** GitHub Repo | Live Site
  - Technologies: HTML, CSS, JavaScript
  - Created an engaging coin flip game, enhancing user interaction through clickable elements and intuitive design. Successfully deployed on GitHub Pages, highlighting front-end development skills.
- **Password Generator -** GitHub Repo | Live Site
  - Technologies: HTML, CSS, JavaScript
  - Implemented a robust password generator tool, focusing on user experience to deliver unique and secure passwords. Utilized GitHub Pages for deployment, highlighting front-end development skills.

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 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:
- Start Date: 1st July 2024
- End Date: 27th December 2024
- Duration: 6 months, full-time

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