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.
- Utilized Pair and prompt engineering techniques to execute test cases and plans elevating software reliability.
- Automated workflows in CPF AppFolio using Microsoft Power Automate directly improving performance.
- Research in tools and products used across the Whole of Government, including Government on Commercial Cloud (GCC), SG Tech Stack (SGTS), Pair and LaunchPad.

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.
- **QR Code Generator**: GitHub Repo | Live Site | *HTML, CSS, JavaScript*
  - Developed a user-friendly QR Code Generator utilizing HTML, CSS, and JavaScript for efficient generation and customization of QR codes. Deployed on GitHub Pages.
- **Password Generator**: GitHub Repo | Live Site | *HTML, CSS, JavaScript*
  - Implemented 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.