SAI ABHISHEK KETEPALLY

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EDUCATION

University Of Cincinnati   **Graduating: May 2027**
Bachelor of Science, Computer Science   GPA: 3.898
- Primary Coursework: Programming Languages, Web Application Programming and Hacking, Data structures and algorithms, Python, Computer Science 1 (C++), Engineering & Design Thinking 2, Probability and Statistics

SKILLS

Programming: C, C++, Python, MATLAB, VBA, LabVIEW, HTML, CSS, JavaScript, PHP, SQL
Other: Git, Excel, PowerPoint, ROS, Bootstrap

EXPERIENCE

Ming Chi University of Technology | Taipei, Taiwan (C++, Python, ROS)   **Jan 2024 – May 2024**
Research Assistant, internship
- Collaborated on a project focused on development of an autonomous ocean cleaning submarine prototype
- Utilized ROS for seamless communication between robotic components
- Programmed the submarine robot prototype using Python and C++ to execute autonomous navigation and pollution detection algorithms

PROJECTS

Amazon Clone | Personal Project (HTML, CSS, JavaScript, Git)   **June 2024 – July 2024**
- Developed a completely functional online store with features like product listings, shopping carts and order management that was modeled after Amazon.
- Implemented dynamic product grid layout using HTML and CSS, preparing placeholders for product data to be populated via JavaScript.
- Tested the page on multiple browsers and devices and made the required changes for consistent performance, ensured cross-browser compatibility.

LinkedIn Auto-Posting Application | Personal Project (Python, OpenAI API, LinkedIn API, Git)   **May 2024 – June 2024**
- Developed an application to auto post on LinkedIn using Python, enabling users to post content on LinkedIn by simply providing a prompt
- Utilized OpenAI API to generate high quality and relevant content from prompts given by the user, leveraging advanced natural language processing capabilities.
- Integrated LinkedIn API to automate posts, Handled API authentication securely using OAuth 2.0 to ensure security

Mini Facebook | University of Cincinnati (HTML, CSS, JS, PHP, SQL, Git, Bootstrap)   **Feb 2023 – April 2023**
- Programmed a comprehensive social networking platform, with features like user registration, session-based authentication, post and comment systems, profile management and responsive design using Bootstrap.
- Implemented comprehensive security measures including protection against SQL injections by using prepared statements, CSRF attacks by sending a hidden key with the form for validation and XSS attacks by filtering input
- Enhanced user experience through dynamic content updates and ensured the performance of the application with thorough testing.

ACTIVITIES

CEAS Innovation Challenge   **May 2024 – July 2024**
- Conceptualized an innovative prototype that seamlessly integrates fashion with AI, showcasing the potential for cutting-edge technology in the fashion industry.

IEEE   **Aug 2024 – Present**
- Actively engage in team meetings and hackathons, contribute ideas to support project success and innovation

AWARDS & HONORS

Ambassador of Cincinnati-New Taipei City Sister City Association   **2024-Present**
Dean's List, University of Cincinnati   **2022-Present**

AVAILABLE FOR CO-OP: FALL 2024