**Tarun A**

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**Objective**

A motivated and curious second-year Computer Science Engineering student with a strong passion for hands-on learning in software development, automation, and hardware. Seeking opportunities to apply my skills in a professional setting, contribute to meaningful projects, and continue my growth as a software engineer.

**Education**

**S-VYASA DEEMED TO BE UNIVERSITY | Bengaluru, India** *B.Tech, Computer Science Engineering (2024 - 2028)*

* **Relevant Coursework:** Data Structures, Cloud Computing, Python, Django, Basic Electronics

**Skills**

**Programming & Web Development:**

* **Python:** Proficient in writing scripts for automation (pywhatkit, pyautogui) and backend development.
* **Web:** Foundational knowledge of HTML, CSS, and the Django framework.
* **Data Structures:** Solid understanding of core data structures and algorithms.

**Hardware & Electronics:**

* **Microcontrollers:** Beginner experience with Arduino prototyping, including digital pin control and basic circuit logic.
* **Computer Architecture:** Practical understanding gained from completing the Nand2Tetris hardware simulator projects.

**Tools & Technologies:**

* **Networking:** Basic network scanning and analysis using Nmap.
* **Operating Systems:** Linux terminal navigation and file management.
* **Version Control:** Git & GitHub.

**Soft Skills:**

* Effective Communication
* Active Listening
* Teamwork & Collaboration
* Problem-Solving

**Projects**

**WhatsApp Message Automation**

* Developed Python scripts using pywhatkit and pyautogui to schedule and automate the sending of WhatsApp messages, improving personal productivity.

**Local Network Scanning with Nmap**

* Executed and interpreted Nmap scans to identify connected devices and assess open ports, building a foundational understanding of network discovery and security principles.

**LED Blink with Arduino**

* Built and programmed a basic LED circuit on an Arduino board to understand microcontroller logic, digital output, and the fundamentals of hardware-software interaction.

**Interests**

* Microcontroller and electronics projects
* Cybersecurity fundamentals & ethical hacking tools
* Linux system administration
* Staying updated on laptop & CPU trends