Aadarsh S U

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[LinkedIn](#) | [GitHub](#) | [Website](#)

EXPERIENCE

Microchip Technologies Inc.   **On-Site**

A publicly listed American Corporation that manufactures microcontroller, analog, and Flash-IP integrated circuits

Microchip – Engineer I - Corporate Applications Engineer   Jul 2024 - Present

- Provided technical support for wired network products, including classic PHYs and switches, across the entire portfolio.
- Created Python tool to extract pin names from schematics provided by the customer's end using OpenCV library.
- Developed an alternate application for network testing GUI, in Python for personalized testing the hardware.
- Designed and developed an application utilizing Atmel's Capacitive Touch technology and AVR microcontrollers.
- Conducted testing of wired network products with integrated MPUs on Linux platforms.
- Tested various IEEE protocols, including PTP and ACL, on Ethernet switches.

Student Intern   **Chennai, India**

Microchip Technologies Inc   Jan 2024 - Jun 2024

- Developed a solution for data transmission over Ethernet in entry-level microcontrollers lacking native Ethernet support using embedded C.

Workshop   **Bangalore, India (Sep 2022)**

- Gained hands-on experience with Android development tools and implemented real-time text-to-speech functionality conducted by **IISc Bangalore** to enhance practical knowledge in mobile app development.

EDUCATION

Thiagarajar College of Engineering   **Madurai, India**

Bachelors of Engineering in Electronics and Communication Engineering   Sep 2020 – May 2024

                                                                                                                                            CGPA 9.61

Vidhya Sagar Global school   **Chengalpattu, India**

12ᵗʰ Grade   June 2018 - March 2020

                                                                                                                                          Score 92%

PROJECTS

- **Email Automation Script**: Developed a Selenium WebDriver script with Python for email automation during a college club event, resulting in **sending over 500 email invites** to participants.
- **Car Showroom Management System:** Built a management system enabling the staffs to add, remove, edit the status of a car in the showroom.
- **Hobby Projects:**
  - Designed and implemented game logic for Tic-Tac-Toe and Black Jack using Python.
  - Implemented web scraping projects using Python, leveraging libraries like Requests, BeautifulSoup, and CSV for data extraction and organization.

SKILLS

- **Languages:** Python, PHP, JavaScript, C
- **Databases:** MySQL
- **Web Technologies:** HTML, CSS,

CERTIFICATIONS

- Elite certification for "The Joy of Computing using Python" awarded by IIT-Madras
- The Complete Python Bootcamp from Zero to hero in Python - Udemy
- The complete 2024 Web Development Bootcamp - Udemy.