SHYAM SUDRA

sudrask.31@gmail.com | +91-9974444057 | GITHUB | LINKEDIN | PORTFOLIO

SKILLS

C | C++ | **Python** | **SONiC** | **Networking (sFlow, ACL, BGP, TACACS+ AAA, LLDP MED, PoE, SD-WAN)** | **Spytest** | Linux | Docker | **HTML-CSS-JS** | **ReactJS** | Figma

WORK EXPERIENCE

Celestica | Associate Software Engineer   **Dec'21 – Apr'24**

- In this position, my responsibilities included **working with open SONiC** and **automating functional validation** of multiple networking protocols **(sFlow, BGP, ACL)** utilizing **Spytest**.
- Showcasing **good automation skills**, I was chosen to **lead and bring up an automation infrastructure similar to Spytest** that helps the hardware team automate manual tasks. This included the **automatic configuration of an oscilloscope, AC source, and thermal chamber, plotting waveforms,** and generating HTML logs similar to Spytest.
- I also helped set up and **evaluate a third-party test suite for SONiC**, eliminating issues during integration and suggesting changes to the vendor.
- Actively contributed to the **establishment of the lab network**, taking charge of **debugging and resolving any challenges** that arose.
- I created a lab reservation tool for Celestica's internal usage, **including topology details and reservation functionality** for sharing across different teams.

Celestica | Software Engineer   **Apr'24 – Present**

- Exhibiting the required skillset, I was also **chosen to work on a cost-cutting project** to develop a Celestica SONiC for **internal enterprise network usage**. As part of this, I **curated test plans** for validating functional coverage of protocols—**TACACS+ & LLDP MED for SONiC and automated the same** with Spytest.
- **Leading a team of 3** to **validate and automate** the **functional validation of PoE** (Power over Ethernet) over multiple Celestica platforms.

PERSONAL PROJECTS

1) **BeatCode – A Leetcode clone** (Link to the site) (Link to GitHub)
- Built a Leetcode clone to practice coding questions with code-compilation capability in 5 languages (Python3, C, C++, JAVA & Kotlin). **Tools/Technologies –** RapidAPIs, ReactJS, HTML-CSS-JS.

2) **ChatApp – A WhatsApp clone** (Link to the site) (Link to GitHub)
- Created a WhatsApp-like live chat application with a real-time database where users can register and chat with other users. **Tools/Technologies –** ReactJS, HTML-CSS-JS, Firebase.

EDUCATION

- **Gujarat Technological University – Rajkot – (2017 – 2021)**
  Bachelor of Engineering in Computer | **9.38 CGPA**

ACHIEVEMENTS

- Achieved 2 Bravo awards for multitasking with BRMC SONiC & Spytest Automation (Link to Certificate)
- Received a promotion within two years for exceptional contributions
- Selected as a member to give training for technical interviews at GEC, Chennai (Link to Certificate)