YATIN ARORA

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PROFESSIONAL EXPERIENCE

Software Engineer (SWE) & Technical Inside Sales, *Viavi Solutions Inc*   03/2025 – Present
Gurgaon, India
- Developing, integrating & testing API for optical network monitoring system (ONMSI).
- Built a Java feature for real-time service disruption monitoring on the ONT-800 network tester, enhancing diagnostics and OSI layer visibility.
- Working with B2B and B2C leads for direct & indirect sales for sales revenue.
- Gaining Hands-On experience on Test and Measurement Solutions & remote fiber monitoring solution.

Software Engineering Intern, *Viavi Solutions Inc*   06/2024 – 09/2024
Gurgaon, India
- Acquired hands-on experience with VIAVI's MTS5800 and OneAdvisor tools for Ethernet, RF (Radio Frequency), and fiber optic network testing, including configuration, signal analysis, and diagnostics.
- Automated T-Berd and MTS5800 network testers using Python scripts integrated with SCPI commands and terminal tools like PuTTY. Utilized VIAVI's Smart Access Anywhere (SAA) cloud platform over VPN to remotely control and manage testing workflows.

SDE 1 Intern, *Ni [National Instruments]*   07/2023 – 08/2023
Bangalore, India
- Created a LabVIEW application that captured photos at fixed intervals using camera, cutting manual collection time by **over 50%**, improving process efficiency.

PROJECTS

API for Optical Network Monitoring System [ONMSi] using Python   07/2025 – Present
Build a Python-based API for ONMSi (Optical Network Monitoring System) to integrate API calls, communicate with the server and host machine, and display real-time monitoring results. Performed functional testing using Postman to ensure accuracy and performance.

Quality Service Disruption Feature for Optical Network Terminal Using Java   05/2025 – 07/2025
Designed a Java-based GUI to interface with the ONT-800 (Optical Network Terminal) using SCPI commands, enabling real-time monitoring of service disruptions across OSI layers and detecting packet frame loss.

Disaster Management Full Stack Website & iOS Mobile Application   02/2025 – 02/2025
Built a full-stack disaster management web application for an inter-college hackathon, supporting both clients and staff. Enabled staff to issue emergency alerts, share base camp locations, and track clients via real-time map updates. Also coded a companion iOS mobile app running on a local server.

Automatic Billing System   09/2024 – 11/2024
Built a full-stack web application that records products scanned via a Raspberry Pi-enabled IoT camera, with real-time upload, product indexing, and integrated QR-code-based payment processing

Network Testing Automation Software using Python Programming   06/2024 – 09/2024
A remote automation software solution in Python programming for Viavi's MTS5800 & ONA800 network testing device, allowing users to control hardware functions using SCPI commands with minimal manual intervention.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science Engineering (CSE),   2022 – Present
Shree Guru Gobind Singh Tricentenary University   Gurugram, India

SKILLS

Programming — Java Programming │ Python Programming │ HTML5/CSS3 │ JavaScript [JS] │ Full Stack Web Development │ Linux

Databases — MySQL / SQL │ MongoDB │ Firebase (Google Cloud) │ AWS (Amazon Web Services) │ DBMS, RDBMS

Tools, Frameworks & Technologies — **API Tools:** Postman, Insomnia │ **Monitoring & DevOps:** Grafana, Docker, Kubernetes │ **Cloud & Blockchain:** MetaMask, Ethereum │ **Frontend Frameworks:** Vue.js, React.js │ **Data & AI:** Data Engineering, Data Science, AI/ML, AI Agents & LLMs │ **Programming Concepts:** Data Structures & Algorithms, Computer Networks │ **Analytics & BI:** Power BI │ **Productivity & Sales:** MS Office, Sales Enablement │ **Other Tools:** LabVIEW, Raspberry Pi, IOT devices

Soft Skills — Product & Project Management │ Effective Communication │ Analytical Thinking & Problem Solving │ Agile & Scrum Methodologies

CERTIFICATES

Certified Project and Product Management Associate — PMI (Project Management Institute) │ **Software Tester** — CompTIA │
Java Programming — Infosys & LinkedIn │ **Python Programming** — Infosys & Coursera │ **SQL for Querying Data** — Coursera