

YATIN ARORA

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EXPERIENCE

Software Engineer & Technical Inside Sales, Viavi Solutions Inc

03/2025 - Present
Gurgaon, India

- Developed, integrated, and tested APIs for a fiber optical network monitoring system (ONMSi) using Agile methodologies, prioritizing tasks from the product backlog based on business requirements and conducting thorough user acceptance testing & QA Testing to ensure quality software.
- 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. Utilized Tools such as Jira & Confluence.

Software Engineering Intern, Viavi Solutions Inc

06/2024 - 09/2024
Gurgaon, India

- Acquired hands-on experience with network testers for Ethernet, RF (Radio Frequency), and fiber optic network testing, including configuration, signal analysis, and diagnostics.
- Designed and executed Python-based automation software leveraging SCPI commands and PuTTY for efficient network testing.
- Utilized AWS cloud platform & VPN to remotely control and manage testing workflows. Created platform documentation and release notes, improving stakeholder communication

Software Engineering Intern, NI (National Instruments)

07/2023 - 08/2023
Bangalore, India

- Developed LabVIEW automation frameworks cutting manual collection time by 50% for data acquisition and storage, enhancing process efficiency by 35%.

PROJECTS

API for Optical Network Monitoring System [ONMSi] using Python

07/2025 - Present

Built 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, Automatic & Manual testing using Postman to ensure accuracy and performance.

Quality Service Disruption Feature for Optical Network Terminal Using Java

05/2025 - 07/2025

Implemented 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 embedded 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),
Shree Guru Gobind Singh Tricentenary University

2022 - Present
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, Data Science | **Productivity & Sales:** MS Office, Sales Enablement | **Other Tools:** LabVIEW, Raspberry Pi, IoT devices, Jira, Confluence
Soft Skills – Product & Project Management | Effective Communication | Analytical Thinking | 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