

ADITYA CHATURVEDI

HARDWARE ENGINEER

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EXPERIENCE

Hardware Engineer Jul 2020 – Present
Ciena – Gurugram, Haryana

- Currently working on entire **automation testing framework** for Ciena's 4-port UNI, **10G XGS-PON Platform** with layer-3 traffic capabilities.
- Developed **Software Quality Analysis (QA)** framework in Python for automation testing of **Ciena XG-PON and GPON** Ecosystem.
- Manufacturing Testing Development in Python for **Ciena 3805** Passive Optical Network platform.
- **Manual and Automated Hardware test development** for multiple Ciena Routing and Switching platforms (51xx, 392x, 81xx series platforms)

Electrical Engineering Intern May 2019 – Jul 2019
Schlumberger – Pune, Maharashtra

- Developed **SPI communication protocol** using **NI LabVIEW** and to enable and acquire ADC digital data on TI ADS8344.
- Tested **CAN protocol** on a Schlumberger specific Drilling and Measurements (DNM) tool using **LabVIEW and NI TestStand**. Tests included SRAM, DRAM, FLASH, ADC, ISB/LTB Communication, DSP functionality.

EDUCATION

BTech. in Electronics and Communication Engineering 2016 – 2020
Delhi Technological University – Delhi

- CGPA: **9.11/10** (First Class Distinction)
- Co-Founder of **DTU Altair**: Robotics Team of DTU. Worked on Robotics research and projects while leading a team of 19 talented individuals and administering corporate tie-ups. Currently serving as the **Advisor** to the team and responsible for advising the Team Captains, regarding competitions and research areas.

12th Grade (Advanced Diploma with IB Coursework) 2015 – 2016
Annandale High School – Annandale, VA

- Weighted CGPA: **4.5/4.0**

10th Grade 2013 – 2014
Annandale High School – Annandale, VA

- Weighted CGPA: **4.1/4.0**

OBJECTIVE

Automation Test Framework Designer with over three years of experience in software and hardware testing and quality assurance. Skilled in creating and executing automated test plans in Python, identifying defects, and ensuring software/hardware functionality and reliability.

SKILLS

Python

QA Framework Development

Automation Testing

Passive Optical Networks

Hardware Testing