

EDUCATION

Don Bosco Institute of Technology, University of Mumbai, India Completion of Bachelor of Engineering (BE) in Electronics and Telecommunication Secured a CGPA of 8.15/10	July 2014 - June 2018
Alva's Pre-University College, University of Bangalore, India Secured 87% (distinction) in Science	May 2012- June 2014

TECHNICALSKILLS

- **Programming Language:** C++, Python, R programming.
- **Simulation Tool:** MATLAB, OpenCV, Jupyter Notebook, Wireshark
- **Miscellaneous:** SQL, Hadoop, Microsoft SQL Server

PROFESSIONAL EXPERIENCE

Tata Communications LTD, Mumbai <i>Engineer, Global Technology Network and Operations (Planning Department)</i>	July 2018 Onwards
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Metro / Access Network

- Worked on Inventory Management system for Packet based network Devices which includes modelling, layer modelling and UAT.
- Statistical Multiplexing Gain - worked on actual port utilization report which was extracted from NMS.
- Access Rollout - Worked on all India access roll out project.
- Developed a website of Inventory Management
- Planning and design of Data Centre Interconnect in metro network.
- Developed an automation tool to generate report of testing.

NLD Network

- Built Fiber fault prediction model
- Built Frequency Utilization prediction Dashboard.
- Built Capacity Utilization prediction model.
- Developed portal using HTML and PHP to access the required technical information for all equipment's.

Indian Institute of Technology, Bombay

Detection and Classification of Microcracks in Solar Panels (Using Machine Learning)
Final Year Research and Project in Collaboration with IITB

- This project was done by using two Classifier: Neural Network and Support Vector Machine and Electroluminescence (EL) image is given as input.
- Image processing is applied here for detection of cracks in solar modules.

Smart Car Parking System

Mini project

- An IOT based car parking system was developed using ESP8266-wifi-module.
- Interfacing of antenna incorporated labels with embedded system.
- The user can see the vacant space with location through the app.

Signal Wave Generator

Mini project

- ☐ The project was to generate different waveforms using microcontroller 8051.
- ☐ These waveforms are used to analyze any electronics system
- ☐ Here, we can generate waveform with minimal use of electronics components.

Research Paper - Publications:

International Conference Advanced Science and Technology(ICAST-2020): Detection and classification of Micro-Cracks in Electroluminescence Images of Photovoltaic Modules

EXTRA-CURRICULARS

- ☐ Semi-finalist at ABU ROBOCON 2018 on a National level.
- ☐ Represented final year project in collaboration with Indian Institute of Technology, Bombay (IITB) (NCPRE Lab funded by Government).
- ☐ Awarded TATA Thinkathon(2019)
- ☐ Won 1st prize in INNOVEX (Project Exhibition).
- ☐ Won 1st prize in hackathon.
- ☐ Won 1st prize in shutter painting, Rangoli Competition.
- ☐ Certification on Machine Learning and Neural Networks (MIT FAB LAB Certified).
- ☐ Certification on Case Study on Machine Learning on Coursera (University of Washington).
- ☐ Certification on IOT(Microsoft)
- ☐ Certification on Raspberry Pi (IEEE Student Chapter)
- ☐ Undertook training on Fundamentals of Cloud Computing and secured a certification from APMG International.
- ☐ Completed training on Big Data Analytics, CCNA and MPLS-TP technology.
- ☐ Completed training and certification in Machine Learning and Artificial Intelligence.
- ☐ Completed training on SDN from Open Networking Foundation(ONF).
- ☐ Certification on Google Cloud Platform Big Data and Machine Learning Fundamentals from coursera.
- ☐ Certification of Data Analyst course completion issued by IBM.

VOLUNTEER WORK

- ☐ Conducted workshops on PCB making for first year students
- ☐ Taking coaching class for high school students for almost 6 years.
- ☐ Participated in School transformation wherein we, as a team, painted whole school for an improved educational experience to the underprivileged children.
- ☐ Participated in volunteering at villages and support the villagers in activities like painting of a tailoring unit, creating dustbins from old plastic bottles, repairing and developing the community centre along with a whole host of associated activities.
- ☐ Participated in Seeds of Green where one has to create seed balls of clay containing plant seeds which will be thrown in identified barren land to the tree coverage

