

SWEEKRITHI SHETTY

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EDUCATION

Don Bosco Institute of Technology, University of Mumbai, India

July 2014 - June 2018

Completion of Bachelor of Engineering (BE) in Electronics and Telecommunication

Secured a CGPA of 8.15/10 (Distinction)

Alva's Pre-University College, University of Bangalore, India

May 2012- June 2014

Secured 87% (distinction) in Science

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

July 2018 Onwards

Engineer, Global Technology Network and Operations (Planning Department)

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

- ☐ Worked on Database of fibre routes.
- ☐ Worked on channel utilization report of DWDM systems.
- ☐ Prepared portal using HTML and PHP to access the required technical information for all equipment's.

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 analyse any electronics system
- ☐ Here, we can generate waveform with minimal use of electronics components.

Wide Band Filter

Research paper

Available after August 30th ,2020

- ☐ Additional fibres and equipment were required to create a new access ring of 10G.This lead to wastage of time and money providing low capacity.
- ☐ After deploying Wideband filter solution, it will take less time and money for creating new access ring of 10G.
- ☐ Each access ring can be enabled with more than one 10G which will reduce the additional fibres and equipment that was required to create new 10G ring

EXTRA-CURRICULARS

- ☐ Represented for ABU ROBOCON 2016-2017 on a National level
- ☐ Represented final year project in collaboration with Indian Institute of Technology, Bombay (IITB) (NCPRE Lab funded by Government)
- ☐ Won 1st prize in Detection and Classification of Microcracks in Solar Panels using Machine Learning on INNOVEX (Project Exhibition)
- ☐ 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
- ☐ 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 & Simplilearn

VOLUNTEER WORK

- ☐ Conducted workshops on PCB making for first year students
- ☐ 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 center along with a whole host of associated activities.
- ☐ Participated in Seeds of Green where on have to create seed balls of clay containing plant seeds which will be thrown in identified barren land to the tree coverage

30th ,2020

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- ☐ Each access ring can be enabled with more than one 10G which will reduce the additional fibres and equipment that was required to create new 10G ring