



# Nikhil Thosar

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## Education

### Govt. College of Engineering Amravati

B. Tech, Electrical Engineering , 2019

CGPA: 7.66/10

### Vinayak Vidyamandir, Amravati

Higher Secondary School, 2015

Percentage: 82.15%

### Narsing Vidyalaya, Akot

Secondary School, 2013

Percentage: 92.20%

## Skills

C, C++ (OOPS Concepts), SQL,

HTML, CSS, Linux Proficient

Pro-C programming, SMFS

## Extra-curricular Achievements

- Won the title of 'DA VINCI OF GCOEA' in Zenith 2016 Cultural Festival of Govt. Engineering College, Amravati
- Volunteered as Coordinator of Blood Donation and Social Awareness Camp 2016
- Lead a Student's Art Club and organized various events throughout academic years.

## Work Experience

- **Tata Consultancy Services**  
(June 2019 - March 2021)
  - o Worked as Host-End Application Developer for CCIL NDSOM Trading Team, regulated by RBI.
  - o Worked on Host-End development of NDS-OM Retail Application.
  - o Contributed in development of Production Trading System Monitoring Application and its Interfacing.
  - o Worked on Oracle SQL and PostgreSQL as Database Analyst.

- o Worked in Application Support Team during Maintenance and Monitoring of all Trading System Applications of CCIL.

- **Mahagenco Thermal Power Station Paras Dist-Akola, Summer Intern**

(June 2018 – July 2018)

- o Analysis of Electricity Generation Flow at Power Station and Studied Control System Mechanisms and Automation Tools

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## Key Projects

- **CCIL NDS-OM Retail Application**  
(January 2020 – September 2020)
  - o C/C++ Development for Host-End Application Processes and its Interfacing and Network Connections to Client Applications.
  - o Analysis and Development of Automated Financial Report Generation Application using SQL Database Management System.
  - o C/C++ Code Optimization and Changes in Short-Sale Trading Module of NDS-OM Retail Application.
- **NDS-OM Surveillance** (October 2020 – March 2021)
  - o Development of Producer-Consumer Model based Process to Store and Retrieve Data in appropriate format in PostgreSQL DBMS for financial analysis in Data warehouse.
- **B. Tech Minor Project: Automated Power Factor Correction System**
  - o Designing a Microprocessor/Arduino based electronic control system.
  - o Developed a Zero Crossing Detector Circuit, which senses the Power factor of connected Inductive Load, further by passing this numeric data values to programmed microprocessor connects the compensating capacitors for power factor correction.
- **Btech Major Project: Foot Step Stable Energy Generation using Piezoelectric Sensors**
  - o Developed electronic microprocessor based control system which senses the foot-step impact on fabricated square tile installed with piezoelectric sensors and converts this physical energy into stable voltage and can generate enough power that can be given to an inductive load like a bulb.
- **Academics**
  - o Qualified National Talent Search Examination
  - o Qualified Maharashtra Talent Search Examination
  - o A-Certification in NCC (National Cadet Corps.)
- **Arts**
  - o Qualified Intermediate Grade Drawing Examination, Govt. of Maharashtra

