



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

Programming Languages: C, C++ with OOPS

Networking Technology: Socket Programming in C/C++

Database Management: Oracle SQL, ,PostgreSQL
Oracle Pro *C

Web Development: HTML,CSS, Javascript

Operating System: Linux/Unix Proficiency and
Shell Scripting

Work Experience

➤ Tata Consultancy Services

(June 2019 - March 2021)

- Worked as Host-End Application Developer for CCIL NDSOM Trading Team, regulated by RBI.
- Worked on Host-End development of NDS-OM Retail Application.
- Contributed in development of Production Trading System Monitoring Application and its Interfacing.
- Worked on Oracle SQL and PostgreSQL as Database Analyst.
- Worked in Application Support Team during Maintenance and Monitoring of all Trading System Applications of CCIL.

➤ Mahagenco Thermal Power Station Paras, Akola Summer Internship *(June 2018 – July 2018)*

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

Key Project

➤ CCIL NDS-OM Retail Web Application

[under TCS employment]

- Worked on Login, security and Authorisation of application on host-end side with C/C++ programming.
- Worked with SMFS(Shared Memory File System) technology to keep latency lowest possible during intraday trading data management.
- Analysis and Development of Automated Financial Report Generation Application using SQL Database Management System.
- C/C++ Code Optimization and Changes in Short-Sale Trading Module of NDS-OM Retail Application.

➤ CCIL NDS-OM Surveillance

[under TCS employment]

- Development of Producer-Consumer Model based process to store and retrieve data in appropriate format in PostgreSQL DBMS for financial analysis in Data Warehouse.

➤ CCIL NDS-OM Request For Quote Application

[under TCS employment]

- Worked on application's server side as C/C++ programmer for ' Trading Order Path' development and further Interprocess Communication between processes.

➤ CCIL Admin Application

[under TCS employment]

- Optimization of Database queries on server side to reduce latency and speed up the query response of displaying trading member and user data on Short-Sale Screen in Admin Application.

➤ Blog and Online Art Gallery Website Development

[Personal Project]

- Developed a blog and online art gallery website using HTML5, CSS3 and Javascript.
- Created responsive UI/UX design for this website to fit all screen sizes in appropriate ways.

➤ **B Tech Minor Project: Automated Power Factor Correction System** *[B Tech 3rd Year]*

- Designing a Microprocessor/Arduino based electronic control system.
- 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.

➤ **B Tech Major Project: Foot Step Stable Energy Generation using Piezoelectric Sensors** *[B Tech 4th Year]*

- Developed electronic microprocessor based control system which senses the foot-step impact on fabricated square tile installed with piezoelectric sensors and converts this mechanical energy into stable voltage and can generate enough power that can be given to an inductive load like a bulb.

Academic/Professional Achievements

- Qualified GATE 2022 (Computer Science and IT) Exam with AIR 1230.
- Nominated twice for 'TCS - On the Spot Award' for efforts during development and production release by Immediate Supervisor.
- Qualified and earned scholarship under National Talent Search Examination.

Extra-curricular Achievements

- Won the title of 'DA VINCI OF GCOEA' in Zenith 2016 Cultural Festival of Govt. Engineering College, Amravati.
- Lead a Student's Art Club and organized various Art Exhibition Events throughout academic years.
- Won Sand Art, Photography and Charcoal Sketching Competitions in Inter-College Competitions.
- Participated in Industrial Visit and Seminar at AD Hydro Power Plant, Manali.
- Qualified Intermediate Grade Drawing Examination, Govt. of Maharashtra.