

Navya Teja Ogirala

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EDUCATION

Old Dominion University

Master of Science in Computer Science

Norfolk, VA

Jan 2023 - Dec 2024

Amrita School of Engineering, Bangalore

B. Tech in Electrical and Electronics Engineering, CGPA:8.29

June 2020

TECHNICAL SKILLS: Python-NumPy, Pandas, R, UNIX Shell scripting, C Programming, Java, MySQL, MuleSoft, DataStage, Teradata

SOFTWARE TOOLS: R Studio, Tableau, DataStage, Teradata Studio, Jupyter, Eclipse, Anypoint Studio, Postman

PROFESSIONAL EXPERIENCE

Infosys Limited, India

Jan 2021- Oct 2022

Role: Systems Engineer

- Worked as a Backend developer for a multinational Telecommunications company.
 - Worked on automating the stored procedures by developing DataStage jobs using IBM InfoSphere Designer Client Software.
 - Created ETL entries to trigger these to automatically run every day without human involvement.
 - Developed DataStage jobs to load the input data obtained into the target server, send email notifications in case of job failures with the details of the job.
 - Worked on CRON and ETL entries to run the jobs daily and monthly as per job specifications.
 - Involved in Unit and pre-deployment testing of the jobs.
 - Monitored the performance of the jobs post-deployment in the project.
 - Worked on different UNIX scripts, to find out the existing errors and to correct them.
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UNDERGRADUATE PROJECTS

Fault Detection and Classification in Power Transmission Lines using Back Propagation Neural Networks

July 2019 - Jun 2020

- Designed a three-phase medium power transmission line using MATLAB Simulation and values of current and voltages are derived for different fault conditions in transmission lines.
- Simulated values of transmission systems are used as training data for neural networks and Feed forward Back Propagation Neural Network (BPNN) algorithms were used for fault classification and detection in transmission line.

Long Distance Power Transmission System with ZVS Ultra-Lift Luo Converter from Large Photovoltaic Generation

July 2019 – Dec 2019

- Transmission of power that is generated from the photovoltaic modules using Ultra Lift Luo Converter is designed using MATLAB Simulation.
 - This converter is employed along with soft switching using zero voltage switching helps in reducing the switching losses and to increase the output voltage with high efficiency.
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PUBLICATIONS, PRESENTATIONS, AND CONFERENCES

- . N. Teja, M. S. Ramakrishna, G. B. Bhavana and K. Sireesha, "Fault Detection and Classification in Power Transmission Lines using Back Propagation Neural Networks," *2020 International Conference on Smart Electronics and Communication (ICOSEC)*, 2020, pp. 1150-1156, doi: 10.1109/ICOSEC49089.2020.9215253.
 - G. P. Rahul, O. N. Teja, P. G. Shivani, K. Deepa, P. Manitha and V. Sailaja, "Long Distance Power Transmission System with ZVS Ultra-Lift Luo Converter from Large Photovoltaic Generation," *2020 Third International Conference on Smart Systems and Inventive Technology (ICSSIT)*, 2020, pp. 400-405, doi: 10.1109/ICSSIT48917.2020.9214162.
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CERTIFICATIONS

- Brief Introduction to Psychology by NPTEL, May 2018
- Python for Data Science by UpGrad, Aug 2020