

EDUCATION

- Vellore Institute of Technology, Vellore

Bachelor of Technology - Electronics and Communication Engineering

CGPA : 9.02/10

Coursework: Operating Systems, Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Computer Networks

September 2021 - June 2025

SKILLS

- Languages :

Java, Javascript, Python
- Frameworks :

NodeJS, ExpressJS, ReactJS, Flask, GraphQL
- Tools :

Git, Github, Postman, Anaconda
- Soft Skills :

Good Communication, Teamwork, Time Management, Leadership, Problem Solving

EXPERIENCE

- Indian Telephone Industries, Limited - [Link](#)

Technology Intern

Bangalore

August 2023

o Played a role at ITI Limited’s Telecom Testing Lab, where I gained hands-on experience in EMI/EMC and 3D printing lab. Contributed to PCB design and manufacturing processes, including drilling, lamination, exposing, developing, plating, and solder masking. Assisted in projects like Digital Mobile Radios.

PROJECTS

- Meal Connect

[Github](#)

Node.js, Express.js, MongoDB

o Developed a platform for the **DEVSOC’24 hackathon** at VIT using **Node.js, Express.js, MongoDB, HTML, CSS, and Bootstrap** to streamline coordination between event organizers and NGOs.

o This solution addresses the issue of food wastage at events and functions by providing a platform where NGOs can efficiently collect surplus food from organizers and beneficiaries.

o This initiative not only reduces food wastage but also helps to alleviate hunger by repurposing surplus food for the benefit of marginalized communities.
- YoChat

[Github](#) | [Hosted Link](#)

React.js, ChakraUI ,Node.js, Express.js, MongoDB

o Collaboratively engineered YoChat, a fullstack chat application, utilizing **ReactJs and ChakraUI** for dynamic UI design, **ExpressJS** and **RESTAPI** for robust backend development.

o Integrated **SocketIO** to facilitate real-time messaging, reducing message latency and improving user engagement.

o Leveraged **MongoDB** for efficient data management, enhancing database query performance.
- Book-N-Park

[Github](#)

React.js, Node.js, Express.js, MongoDB, Material UI

o Crafted Book-N-Park, An IoT based Smart Parking System utilizing Raspberry Pi and a Fullstack parking application leveraging **ReactJs, MaterialII for UI, ExpressJS and RESTAPI**.

o Implemented **SocketIO** for real-time logs, alongside **MongoDB** for data management.

o Designed to streamline parking at my college campus, allowing users to register vehicles, reserve slots, and mitigate traffic and parking disorganization effectively.
- Weather Forecasting

[Github](#) | [Hosted Link](#)

HTML, CSS, Flask, OpenWeather API, Machine Learning

o Engineered a weather prediction project leveraging **HTML, CSS, Flask, OpenWeather API, and Machine Learning**, achieving 90% accuracy.

o Utilized **ARIMA** for time-series forecasting to advise on agricultural irrigation and suggest efficient irrigation methods.

o Collected hourly data from the **OpenWeather API** for the past 48 hours to predict temperature and humidity. This project was selected among the top 100 out of 500 teams in the GFG and Google Hackathon.

PUBLICATIONS

- Robust Iris Detection Using Machine Learning | IEEE AI-IoT - [Link](#)

May 2024

o Co-authored to study and compare YOLO, ResNet, VGGNet and proposed CNN model.
- Enhancing RIS-aided D2D communication for IoT applications | IEEE AI-IoT - [Link](#)

May 2024

o Co-authored in optimizing RIS-aided D2D communication data rates under non-convex problems for IoT.

CERTIFICATIONS

- NodeJS - The Complete Guide

[Certificate](#)
- Python For Machine Learning, Deep Learning and Neural Networks

[Certificate](#)
- JAVA Data Structure and Algorithms

[Certificate](#)
- The Complete Python Bootcamp

[Certificate](#)

VOLUNTEER EXPERIENCE

- IEEE Circuits and Systems (chapter)

Core Committee Member

VIT, Vellore

March 2022 - December 2022

o Coordinated a series of impactful technical events with IEEE CAS, such as ImagifyAI (OpenCV), PCB Designing, Beyond IoT, and Embedded Technology; enhanced technological proficiency among students and participation rates by 40%

o Supported in the smooth operation of 6 events over an academic year. Supported in the chapter’s pursuit to conduct events throughout the academic year