

Meeripelly Navya

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OBJECTIVE

To leverage my analytical mindset and technical skills to contribute to innovative technology solutions, while continuously growing through collaborative learning and impactful projects.

SKILLS AND INTERESTS

Programming Languages:	C, Java, Python, JavaScript
Frontend Technologies:	HTML5, CSS3, React.js
Database:	SQL
Spreadsheets:	Microsoft Excel (VLOOKUP, pivot tables, charts), Google Sheets.
Testing Skills:	Selenium, Manual Testing
Computer Fundamentals:	Operating Systems, Computer Networks, DBMS
Version Control System:	Git, GitHub
Soft Skills:	Critical thinking, Attention to detail, Effective communication

EDUCATION

VNR Vignana Jyothi Institute of Engineering and Technology (VNRVJiet)	Dec 2021 - May 2025
Bachelor's of Engineering in Electronics and Communication Engineering	Percentage: 80
SR Junior College	June 2019 – June 2021
Senior Secondary (Class XII)	Percentage: 86
Kiwi Public School	March 2019
Secondary (Class X)	Percentage: 97

CERTIFICATIONS

- **Selenium WebDriver with Java** – Helping Tester, Udemy.
- **The Complete Full-Stack Web Development Bootcamp** – Udemy
- **Advanced MySQL Data Analysis** – LinkedIn Learning
- **Advanced Java Training** – Being Zero

PROJECTS

Multi-Element MIMO Antenna Arrays: Design & Performance Analysis

- Designed high-performance MIMO antenna array using Slot Loading Design (SLD) and Defected Ground Structure (DGS) for enhanced bandwidth, gain, and isolation.
- Simulated using CST Studio Suite on low-loss Rogers RO4003C substrate.
- Circular MIMO configuration achieved superior isolation for dense urban 5G deployments

Laser-Based Optical System for Multi-Format Data Transmission

- Developed a laser-based optical communication system for efficient transmission of text and images.
- Implemented binary and Base64 encoding techniques to improve reliability in signal processing.
- Designed the system for indoor positioning applications, improving communication precision in controlled environments.

POSITIONS OF RESPONSIBILITIES

• NSS Volunteer, VNR Vignana Jyothi Institute of Engineering and Technology

Contributed as a core team member in social service activities and awareness drives, collaborating with peers to execute events effectively.

HOBBIES AND INTERESTS

- **Judo** – Competed in 10 national championships across university, senior, junior and cadet levels and received the District Collector's Best Player award.
- **Yoga** – Won multiple state-level medals, which reflects strong discipline and consistency
- **Listening to music** – Enjoy listening to music as it helps with relaxation and focus