

# 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

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

## EDUCATION

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