

# Neelima Mudadla

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## Professional Summary

Dedicated and results-driven research scholar with over 7 years of academic experience and a strong focus on Wireless Sensor Networks. Adept at combining theoretical expertise with practical experimentation in embedded systems, signal processing, and data-driven localization techniques. Seeking to contribute to cutting-edge research and innovative projects in sensor networks, wireless communications, or related areas.

## Research Interests

- Wireless Sensor Networks
- Device-Free Localization
- CSI/RSSI-based Sensing
- Embedded Systems
- Signal Processing and Data Analysis

## Education

Ph.D. in Wireless Sensor Networks

Indian Institute of Information Technology, Design and Manufacturing (IIITDM), Jabalpur

August 2022 – Present

M.Tech. in Computer Engineering

Gandhi Institute of Technology and Management (GITAM), Visakhapatnam

June 2011 – June 2013

B.E. in Computer Engineering

Chaitanya Engineering College, Visakhapatnam

June 2007 – May 2011

## Academic Experience

Research Scholar

IIITDM Jabalpur

August 2022 – Present

- Conducting research in device-free localization using CSI/RSSI from Wi-Fi signals.
- Working with ESP32, CSI extraction, signal denoising, and indoor localization algorithms.

Assistant Professor

CVR College of Engineering, Hyderabad

December 2021 – July 2022

Assistant Professor

CIE - Vardhaman College of Engineering, Hyderabad

November 2020 – November 2021

Assistant Professor

BITS Vizag - Baba Institute of Technology and Sciences

May 2018 – May 2019

Assistant Professor

Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam

December 2013 – December 2016

## Technical Skills

- Programming Languages: C, Python
- Tools & Platforms: ESP-IDF, MATLAB, LaTeX
- Concepts: Data Structures, Algorithms, Signal Processing, IoT

## Publications

Fingerprint-assisted geometric approach for device-free target localization in Computer networks journal