

# NAVEEN KUMAR PALLAGANI

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## EDUCATION

Anil Neerukonda Institute of Technology & Sciences, Visakhapatnam

Bachelor of Technology in Electronics and Communication Engineering

CGPA: 8.60

Nov 2021 – May 2024

AANM & VVRSR Polytechnic, Andhra Pradesh

Diploma in Electronics and Communication Engineering

PERCENT: 89.89

July 2018 – April 2021

## PROFESSIONAL EXPERIENCE

Codezlabs Pvt. Ltd.

Junior Software Developer

Dec 2024 – Present

Remote Internship

- Designing and developing **dynamic user interfaces with Next.js**, leveraging both **client-side rendering (CSR)** and **server-side rendering (SSR)** to deliver a seamless experience across devices.
- Building and integrating **scalable backend APIs using Node.js and Express.js**, ensuring efficient data handling and improved application functionality.

Codezlabs Pvt. Ltd.

Software Engineering Intern

Sept 2024 – Dec 2024

Remote Internship

- Developed **responsive user interfaces with React.js** and implemented **API integrations using Node.js and Express.js**, ensuring seamless performance across devices and real-time data functionality.
- Styled front-end components with **Tailwind CSS**, creating a clean and efficient design system that accelerated development speed and maintained design consistency across the application.

## TECHNICAL SKILLS

**Languages:** C/C++, JavaScript, TypeScript, Java, Python, SQL.

**Frameworks/Libraries:** React JS, Node JS, Next JS, Rest API, Express JS, Django, Bootstrap, Tailwind CSS.

**Databases:** MySQL, MongoDB.

**Design:** Micro services, Monolithic.

**Software/Tools:** Git, Jupyter Notebook, VS Code, Linux, Windows, Postman.

**Others:** Data structures & Algorithms, Competitive coding & Problem solving.

## PROJECTS

Object Detection Using YOLO Algorithm | Python, OpenCV, YOLO, gTTS

Sept 2023 - Apr 2024

- The system **process real-time video** through **Raspberry Pi**, detecting and **classifying multiple objects using YOLO trained on the COCO dataset**. It offers fast and accurate identification of common objects in the user's environment.
- Detected objects from the COCO categories are **converted to speech using Google Text-to-Speech (gTTS)**. This **enables real-time audio feedback**, informing the user about nearby objects through a speaker or headphones.
- The **Raspberry Pi handles both object detection and voice output**. It continuously analyzes the video feed, using YOLO and COCO data to provide efficient object identification with voice assistance.

DoItToday, a daily tasks tracker | React JS, Node JS, MongoDB, JWT, MERN Stack

Feb 2023 - Aug 2023

- DoItToday platform** is a **secure and responsive interface** for managing daily tasks efficiently.
- Integrated **JWT authentication** for secure login and data privacy. See it live at [App](#) and code at [Github](#).
- Supports **task creation and tracking** to keep users organized and productive.

Farmify, an online E-commerce Store for Vegetables & Fruits | Python, Django Framework

July 2022 - Dec 2022

- Developed an **online platform** that enables customers to purchase fresh vegetables and fruits directly from farmers.
- Farmers can register** on the platform and **create their own digital stores** to showcase and sell their products.
- This platform facilitates **direct transactions between farmers and consumers**, which benefits both parties.

## CERTIFICATIONS / ACHIEVEMENTS

Crash Course on Python certification.

certified by Google

Microsoft Azure AZ-900 cloud certification.

certified by Microsoft Azure

Object Oriented Programming in Java certification.

certified by University of California San Diego