

NEELI SAI CHAKRADHAR

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Experience

ATDXT -Owner Registration System

Bangalore, IN

Project Intern

Nov 2023 – May 2024

- We developed a robust web application, the Owner Registration System (ORS), which integrates advanced biometric authentication techniques, including iris, fingerprint, and facial recognition, to ensure secure owner authentication.
- Achieved over **80%** accuracy across all biometric matching algorithms, providing reliable and secure identification for users.

Area of contribution

- Enhanced access control and user monitoring by integrating **MIFARE card technology**, enabling seamless, efficient, and secure user access with real-time tracking.
- Led the team in developing **MIFARE card read/write** functionality, ensuring secure data storage and retrieval, which significantly strengthened access control and overall system security.

Skills

- **Programming Languages:** C, C++
- **Web Development:** HTML-CSS, JavaScript
- **Frameworks | Databases:** NodeJS, MySQL
- **Coursework:** Data Structures and Algorithms, Operating Systems, Computer Networks, OOPS

Education

RV College of Engineering

Bangalore, IN

BE Computer Science and Engineering, GPA: 9.39

Dec 2021 – Jul 2025

Jain International School

Nagpur, IN

Pre-University, CBSE Percentage: 96.6%

May 2019 – May 2020

Projects

Apartment Management System | HTML, CSS, JavaScript

- Implemented an **Apartment Rental Management System (AMS)** using **9 database tables**.
- Enabled apartment owners to update rental details, allowing tenants to easily find and pay for rentals online.
- Utilized **crucial 4 components** HTML, CSS, and JavaScript for frontend and **MySQL for database** management.

Study Buddy| Python, Streamlit, NLTK, PyTorch

- Developed a chatbot designed to assist in rural education, enhancing accessibility and learning opportunities.
- Implemented the chatbot using advanced **NLP techniques** to understand and respond to user queries effectively.
- Utilized neural networks in PyTorch to improve the chatbot's ability to process and understand complex language patterns, ensuring more accurate and context-aware responses. Developed a **robust and user-friendly application**.

Portfolio Website | Emails, HTML, CSS

- Hosted the portfolio website on **Netlify**. Utilized HTML, CSS, and JavaScript for **responsive design**.
- Contains my profile, CV, and have functionality send email to me.

Societies

Coding Club, RVCE

Bangalore, IN

Member

Feb 2023 – Present

- Organized a **Coding hackathon** as an academic event for 5th-semester students with **120-140** participants. Participated in other activities.

Rotaract Club, RVCE

Bangalore, IN

Member

Apr 2022 – Present

- Events Participated and organized: Rush Hours-2.0, Paper Drive-2023 (**8.17 tonnes** collected), Blood Donation Camp-2023.

Publications

Smart Irrigation Technique using IoT Sensors for Agriculture Crops | IEEE Conference

Dec 2023

- Helps to provide a better and efficient way of irrigation for farmers.
- Trained a model using the **decision tree algorithm** to predict water requirements for plants.

Denoising and Quality Enhancement of CT scan/X-ray Images of Lung Disease for Enhanced Diagnosis| ISDIA

- Improved diagnostic accuracy by **applying filtering** and contrast enhancement techniques to medical images.
- Removed various types of noise while preserving edges and image content.

Certifications

HTML, CSS, and JavaScript for Web Developers | Coursera

Jul 2023

- Gained hands-on experience in creating responsive and interactive web applications using **HTML, CSS, and JavaScript**, covering essential skills for modern web development.