

# Rehan Naveid R

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[LinkedIn](#) | [GitHub](#)

Motivated pre-final year ECE student with strong Python and C skills, and experience in machine learning (TensorFlow) and web development (Flask, HTML). Skilled in debugging, problem-solving, and teamwork. Seeking an internship to apply technical expertise in developing and testing frameworks for Bluetooth EDR/LE technologies.

## EDUCATION

### SAVEETHA ENGINEERING COLLEGE - CHENNAI

B.E. Electronics and Communication Engineering, 2022-2026

### ACHYUTA PUBLIC SCHOOL | HSC

01/2022

### SHRI MAHARISHI VIDYA MANDIR | SSLC

01/2020

## TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++
- **Web Development:** HTML, CSS, JavaScript, Flask
- **Machine Learning & AI:** TensorFlow, ResNet, Random Forest Classifier, OpenCV
- **Database Management:** MySQL
- **APIs and Integration:** Gemini API

## SOFT SKILLS

- **Collaboration & Management:** Team Management, Adaptability
- **Analytical Thinking:** Problem Solving, Data Handling, System Optimization

## WORK HISTORY

### GIDY Scholarship Program | Remote | Chennai, India

Web Developer Intern | July 2024 – September 2024

- Improved user experience by designing and developing responsive web layouts optimized for both desktop and mobile platforms.
- Ensured seamless functionality and accessibility across devices by applying modern web development practices and tools

## CERTIFICATIN

- Introduction to Back-End Development by Meta
- NPTEL: Understanding Incubation and Entrepreneurship
- NPTEL: Privacy and Security in Online Social Media
- Postman Students Program

## PROJECTS

### Personal Journal Diary – Web Application for Daily Journaling

- Created a web application using HTML, CSS, and JavaScript to enable users to record, edit, and organize daily journal entries.
- Designed a calendar-based entry view for easy navigation and efficient access to past records.
- Implemented a responsive and clean user interface to ensure seamless functionality across different devices.
- Incorporated a search feature to allow users to quickly find specific entries and improve overall user experience.

### Dermo Bot – Skin Disease Prediction and Severity Analysis

- Developed a skin care chatbot using Flask to predict skin diseases like eczema and melanoma based on user-uploaded images.
- Integrated a ResNet-based deep learning model for accurate image classification and disease prediction.
- Constructed a Random Forest Classifier to assess condition severity, integrating it with existing software platforms; the model was adopted by 15 analysts, streamlining the evaluation process and enhancing service delivery.
- Built a RAG (Retrieval-Augmented Generation) bot using the Gemini API to offer comprehensive explanations about the diagnosed diseases.
- Enhanced accessibility and user engagement by combining advanced machine learning techniques with a user-friendly interface.

### Dynamic Gesture Recognition System – Real-Time Sign Language Recognition

- Built a real-time gesture recognition system to interpret sign language using machine learning and computer vision techniques.
- Utilized frameworks like OpenCV and TensorFlow for data preprocessing, model training, and accurate gesture classification.
- Overcame significant challenges in system integration by conducting a thorough analysis of data flows, resulting in the identification and resolution of three critical bottlenecks that improved overall operational efficiency
- Gained hands-on experience in solving complex problems related to gesture data handling and real-time application performance.

