Doney Siby

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Summary — A passionate and self-driven Computer Science and Engineering student with foundation in full-stack web development, and emerging technologies. Skilled in building intelligent, real-time applications using the MERN stack, Socket.IO, and custom-trained AI models. Hands-on experience includes developing innovative platforms like PETVERSE—an AI-integrated online pet store with real-time buyer-seller chat—and a computer vision-based Rubik's Cube solver. Good foundation in Python, JavaScript, React, Node.js, and MongoDB, with a deep interest in solving real-world problems through technology. Committed to continuous learning, effective collaboration, and crafting user-focused digital solutions that merge utility with innovation.

Skills

Technical Skills

- **Programming Languages:** Python, C
- **Web Technologies:** HTML, CSS, JavaScript
- **Libraries:** React, Socket.IO
- **Frameworks:** Tailwind CSS, Express.js
- **Tools & Platforms:** Node.js, Git, Postman
- **Databases:** MySQL, MongoDB
- **Concepts:** Computer Networks, Operating Systems, OOPs, DBMS

Soft Skills

- Leadership
- Learning Attitude
- Dedication
- Adaptability

Education

Bachelor of Technology in Computer Science and Engineering
St. Joseph's College of Engineering and Technology ,Palai
current CGPA: 8.11
Expected Graduation: June 2026
Higher Secondary Education (Class XII – Kerala State Board)
Emmanuel's Higher Secondary School, Kothanalloor, Kerala
Year of Completion: 2022
Percentage: 97.3%
High School Education (Class X – Kerala State Board)
De Paul Higher Secondary School, Kuravilangad, Kerala
Year of Completion: 2020
A+ for all subjects

Projects

PETVERSE – Online Pet Store Platform **March 2025**

- Developing a MERN-stack-based web app to connect pet buyers and sellers, with role-based access for admin, buyers, and sellers.
- Implemented real-time chat between buyers and sellers using **Socket.IO**.
- Integrated pet breed verification using a custom-trained AI image classification model.
- Features include pet/product listings, JWT-based authentication, rating system, and live updates for newly listed pets.
- Built using **React.js, Node.js, Express.js, MongoDB**, styled with **Tailwind CSS**.

AI-Based Real-Time Speech Therapy System **present**

- Designing an AI-powered tool to assist individuals with stammering in real-time speech therapy sessions.
- Core functionality includes speech input analysis, fluency detection, and live feedback with corrective suggestions.
- Exploring use of **Python, TensorFlow/PyTorch**, and speech recognition libraries for implementation.
- Targeted for integration into web or mobile platforms for accessible and continuous therapy support.
- Still under research and development, with focus on model accuracy and latency reduction.

To-Do List – Task Management Web App **Dec 2024**

- Built a simple and responsive to-do list application to help users manage daily tasks efficiently.
- Implemented features such as add, edit, delete, and mark tasks as complete, with persistent data storage using local storage.
- Developed using HTML, CSS, and JavaScript with a focus on clean UI/UX design.

Certifications

– **Google Cloud Study Jams Pathway** - conducted by Google Jun 2025

– **Spoken Tutorial Certificate in C Programming** – Conducted by IIT Bombay April 2024