

S PRATYUSH

Tamil Nadu , Chennai - 600042

+91 93848 43883 | pratyushsowrirajan@gmail.com | linkedin.com/in/pratyushsowrirajan | pratyushweb.netlify.app

Education

Sri Sairam Engineering College

Bachelor of Engineering in Computer Science — CGPA: 8.3

Sep. 2023 – Present

Chennai, Tamil Nadu

D.A.V. Public School, Velachery

Higher Secondary Education (Class XII)

2021 – 2023

Chennai, Tamil Nadu

Technical Skills

Languages: Java, C, Python, JavaScript, Deluge

Web Development: HTML, CSS, React.js, Node.js, Tailwind CSS

Developer Tools: GitHub, Firebase, Netlify, Postman API, Google Colab, VS Code, MongoDB, Render, Replit

Relevant Coursework: Data Structures, Operating Systems, Machine Learning, Computer Networks, Web Development, Computer Architecture, Database Management Systems

Experience

Zoho Corporation

Jun 2025 – Jul 2025

Extension Developer Intern

Tenkasi, Tamil Nadu

- Developed and deployed a Zoho CRM extension **Telegram for Zoho CRM** using Sigma, enabling two-way interaction with Telegram and tested with 50+ CRM records for synchronization accuracy.
- Integrated 3+ APIs and workflows to enable real-time synchronization between Telegram and Zoho CRM reducing manual communication tasks by 60% for CRM users, and published the extension to Zoho Marketplace for review.

CEG , Anna University

July 2024

IoT Intern

Chennai, Tamil Nadu

- Collaborated with a team of 4 interns to design and deploy an IoT-based Dam Water Monitoring System, reducing manual inspection needs by 70% and detecting overflow within 2 seconds latency.
- Developed firmware on ESP32 and Arduino Uno in Arduino IDE to capture real-time water level data and trigger automated overflow alerts.

Zero Tech Solutions

Feb 2024

Front End Developer Intern

Chennai, Tamil Nadu

- Developed and deployed a responsive portfolio website with 5+ project pages, ensuring cross-browser/mobile compatibility and continuous integration via GitHub on Netlify (pratyushweb.netlify.app) for automated updates.

Projects

Retina Eye Detection

- Developed a deep learning model using ResNet-50 for automated detection of Diabetic Retinopathy, trained on 2,500+ retinal fundus images and tested on 500 images, achieving 97% classification accuracy for DR vs. non-DR cases, demonstrating potential for scalable clinical screening.

Shroom Sentinel

- Designed an AI-driven visual health monitoring system and IoT-based climate automation framework for scalable mushroom cultivation, achieving 93% accuracy and precision in disease detection and environmental control.

Telegram for Zoho CRM

- Built and launched a Zoho CRM extension integrating Telegram using Sigma, with authentication, API integration, and Deluge-based workflows, and presented it for review on the Zoho Marketplace.

Achievements

- Selected as **Smart India Hackathon (SIH) 2025 Finalist**.
- Secured **USD 6,508** in IEEE SIGHTS funding for our project *Blue Track*, a community-scale RO water management system providing safe drinking water to **500+ residents**.
- Successfully organized the *Intelligent Vision: Redefining Video Analytics with AI at the Edge* technical talk and *IGNITIA 1.0 – Hands-On ML Bootcamp* as a member of IEEE SSIT, managing close to 200 participants and ensuring smooth event execution.