

# S PRATYUSH

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## 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](https://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.