S PRATYUSH

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Education

Sri Sairam Engineering College, Chennai, Tamil Nadu

Bachelor of Engineering in Computer Science — 2023 – Present

- CGPA: 8.38

D.A.V. Public School, Velachery, Chennai, Tamil Nadu

Higher Secondary Education (Class XII) — 2021 – 2023

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, Tenkasi, Tamil Nadu

Extension Developer Intern — Jun 2025 – Jul 2025

- 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.

Zero Tech Solutions, Chennai, Tamil Nadu

Front End Developer Intern — Feb 2024 (15 days)

- Developed and deployed a responsive portfolio website with 5+ project pages, ensuring cross-browser and 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.

Cura — AI Medical Symptom Checker

- Led the backend architecture of a production-ready medical symptom checker using FastAPI, rule-based guidance engines, and LLM integration, enabling multi-turn clinical conversations, dynamic medical schema evolution, and structured report outputs for frontend and PDF generation.

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 a **Smart India Hackathon (SIH) 2025 Finalist**.
- Secured **USD 6,508** in IEEE SIGHT funding for the project *Blue Track*, a community-scale RO water management system providing safe drinking water to **500+ residents**.
- **Indian Patent Published**: *Glaucoma Diagnosis System with Knowledge Distillation for Mobile Deployment*, Indian Patent Application No. **202541096983**, published under Section 11A; currently awaiting examination.
- Selected as a **One Earth International Hackathon Finalist (Top 5)**.
- Successfully organized *IGNITIA 1.0 – Hands-On ML Bootcamp* as a member of IEEE SSIT, managing close to **200 participants** and ensuring smooth event execution.