

SATYAM CHAUDHARY

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EDUCATION

SRM Institute of Science and Technology, Chennai

B.Tech in Computer Science and Engineering

Jun 2022 – May 2026

CGPA: 8.61/10

EXPERIENCE

Apollo Tyres Ltd.

Project Intern (Remote)

Mar 2025 – Jul 2025

- Collaborated with Apollo Tyres Global R&D team to develop an AI-driven Image Processing prototype for Tyre Tread Pattern Analysis and Labelling.
- Implemented computer vision algorithms to extract tread metrics such as land-sea ratio, tread blocks, and sipes for automated evaluation.
- Researched and applied Generative AI techniques to support tyre tread design automation and feature prediction.
- **Tech Stack:** Python, OpenCV, NumPy, Generative AI

1Stop.ai

Oct 2024 – Dec 2024

Backend Web Development Intern (Remote)

- Developed full-stack web apps including To-Do List (PHP), Task Manager (Laravel), and Hotel Management System with secure authentication and modular architecture.
- Improved RESTful APIs, practiced MVC-based backend scalability, and reduced response time by 15%.
- Gained hands-on experience with PHP, Laravel, and MySQL through implementation, testing, and debugging tasks.
- **Tech Stack:** PHP, Laravel, MySQL, HTML, CSS, JavaScript

AICTE Virtual Internship

Oct 2024 – Dec 2024

Full Stack Web Developer (Remote)

- Completed a 10-week full-stack internship with weekly projects and evaluations.
- Developed responsive web applications integrating RESTful APIs and SQL database operations.
- **Tech Stack:** HTML, CSS, JavaScript, React, Node.js, Express.js, SQL

PROJECTS

E-Waste Facility Locator

GitHub

- Developed a full-stack web app to locate e-waste centers, schedule pickups, and promote sustainability awareness, increasing accessibility for urban users seeking certified recycling points.
- Integrated Google Maps API for geo-tagging and Botpress chatbot for interactive user queries.
- **Tech Stack:** Next.js, Tailwind CSS, Firebase, Botpress

Budget Tracking System

GitHub

- Built a dashboard-based expense manager supporting CRUD operations and real-time visual reports.
- Applied Agile sprints to ensure timely feature delivery and maintain modular backend architecture.
- **Tech Stack:** PHP, MySQL, HTML, CSS, JavaScript, Bootstrap

Water Level Monitoring & Pump Control System

GitHub

- Engineered an IoT prototype for automatic water level monitoring and motor control in auto/manual modes.
- Integrated ultrasonic sensors, EEPROM storage, and I²C LCD for real-time simulation on Arduino.
- **Tech Stack:** Arduino (C/C++), LiquidCrystal_I2C, EEPROM, Wire, I²C LCD

AI-Powered Text Summarizer & Voice Assistant

GitHub

- Built a web-based NLP tool for text extraction, summarization, translation, and voice output.
- Used Transformers, Tesseract OCR, and Gradio UI for an interactive end-user experience.
- **Tech Stack:** Python, Transformers, pdfplumber, Tesseract, Gradio, gTTS, Deep Translator

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, C/C++, PHP, Java

Web Development: Next.js, React.js, HTML, CSS, Tailwind CSS, Bootstrap, Firebase

Databases: MySQL, Firebase Realtime Database, Supabase

Backend & DevOps: Node.js, Express.js, Terraform, Ansible, Docker, AWS

Tools & Platforms: Git, GitHub, VS Code, Postman, Botpress, Netlify, Vercel, Replit

Soft Skills: Leadership, Teamwork, Problem-Solving, Adaptability

CERTIFICATIONS

Oracle Certified Foundations Associate — Certificate

AWS Academy Machine Learning Foundations — Certificate

Cisco Networking Basics — Certificate

NPTEL – Communication Networks — Certificate

LEADERSHIP & ACTIVITIES

Vice Secretary – Futurix, C.Tech Association, SRMIST

Organized 5+ large-scale technical events including ULTRON 8.0 Hackathon and ideathons (2500+ participants).

Led social media strategy, increasing event reach and on-ground engagement by 40%+.

Technical Member – CSI SRM & Aaruush – Team Envision, SRMIST

Supported hackathons, workshops, and internal web tools; mentored juniors in frontend development and UI/UX.