Lakshman Arun S

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Objective

Aspiring Software Developer skilled in algorithms, full-stack engineering, debugging, testing, and scalable System Design. Passionate about delivering reliable and high-impact solutions.

Education

B.E/B.Tech in Electronics and Communication Engineering 2021–2025
Sri Sairam Engineering College, Chennai
CGPA: 8.52

Skills

- C, Python, C#, Java basics
- OOP, DBMS, SQL
- HTML, CSS, JavaScript
- React
- Git, GitHub
- Data Structures & Algorithms
- Linux, Shell Scripting
- SDLC, Agile, Documentation

Projects

Cryptoguard - Biometric IoT Home Security - Raspberry Pi pico W, Micropython, Wifi
- Developed an IoT based home security and smart control system using Raspberry Pi pico W.
- Implemented Biometric authentication via Android SDK.

AR/VR Platform for Architectural visualisation - Unity, C#, Meta Quest 2, Mobile AR/VR
- Developed a Unity-based AR/VR ArchViz tool for architectural walkthroughs on Quest 2, mobile VR and AR.
- Built a builder–client platform with integrated project timeline and cost-estimation tools.

AttorneyGPT - LLM based legal advice chatbot - Python, Streamlit, Llama 3B, RAG
- Built a RAG-powered legal advice chatbot using Llama-3B on Groq for Indian Penal Code based query resolution.
- Deployed on HuggingFace with a Streamlit UI for fast, production-ready legal query responses.

VR Skill Training Platform - Unity, C#, Meta Quest
- Built VR skill-training modules with interactive components and structured testing.
- Enabled multi-platform support using WebXR.

ESP32-CAM AI Visual Assistant - Python, Google Gemini, ESP32-CAM
- Engineered live object detection and AI - scene description using ESP32-CAM.
- Built a wearable smart-glasses prototype to support visually impaired users.

Experience & Internships

Tech Support Engineer - Zoho Corporation 2025
- Handled real-time debugging, issue reproduction, and root-cause analysis for Zoho CRM users.
- Improved product reliability by documenting recurring issues and creating scalable workarounds/ solution paths.
- Collaborated cross-functionally with engineering teams for patch validation and feature improvements.

Electronics Intern - Keller ITS 2024
- Worked on embedded systems testing, PCB component analysis, and signal-level debugging.
- Assisted in prototyping and validating electronics modules with proper documentation.
- Gained hands-on understanding of hardware–software interfacing.

Data Analyst Intern - Nokia 2023
- Performed data cleaning, pattern analysis, and visualization for operational datasets.
- Automated repetitive reporting tasks using Python and Excel-based workflows.
- Contributed to insights that improved network data accuracy and process efficiency.

Cisco Virtual Internship - Cybersecurity & Networking 2023
- Learnt routing, switching, firewall basics and cybersecurity fundamentals.
- Built secure network topology with VLANs, routing protocols and attack simulation.

Achievements

- Winner - YUKTI 5,00,000 INR Innovation Grant
- Finalist - Smart India Hackathon 22024
- Winner - Smart India Hackathon 2023
- Published IEEE ICPECTS paper on CRYPTOGUARD – Biometric IoT Home Security
- Invited Speaker at an IEEE Webinar