

Prasanth P

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SUMMARY

Computer Science undergraduate with hands-on experience in **full-stack web development, AI-powered systems, and browser-based automation**. Actively building real-world projects involving **agentic AI, RAG pipelines, and system-level integrations**. Strong problem-solving mindset, consistent learner, and seeking **internship opportunities** to apply and grow software engineering skills.

EDUCATION

B.Tech in Computer Science and Engineering

Expected 2027

Gov. Aided College of Engineering Karunaggappally

SKILLS

Languages Python, C, Javascript, HTML, CSS

Frameworks & Libraries React, FastAPI, Flask, OpenCV

AI/ML RAG, Local LLMs(Ollama etc), Agentic Workflows, YOLO

Tools Git & GitHub, Docker(basic), Linux

Other Cross-Browser Compatibility, Communication, Collaboration, Adaptability

PROJECTS

Prism AI Browser - AI Powered Privacy First Agentic Browser ([GitHub](#))

- Firefox-based AI browser enabling natural language and voice-controlled task automation.
- Designed to support agentic workflows like browsing, search, and automation

Protego – Construction Safety AI System ([GitHub](#))

- Developed an AI-based vision system for detecting safety-related objects in construction environments.
- Implemented lightweight YOLO-based inference for real-time use.

Prism Browser Website ([GitHub](#)) ([Live](#))

- Developed Prism's official website with responsive design and UI component integration.
- Optimized site for performance, accessibility, and clean UX across devices.

Aithon 2.0 Hackathon Website ([GitHub](#)) ([Live](#))

- Developed the **official event website** for *Aithon 2.0*, a hackathon organized by **IEEE SB CEK**.
- Focused on clarity, accessibility, and smooth user experience for participants.

ChatBuddy – AI Chat Web Application ([GitHub](#))

- Developed a web-based AI chat application powered by the **LLaMA 2** language model.
- Built an interactive user interface for real-time conversational responses.

Poinsettia – Christmas Friend Match Web App ([GitHub](#))

- Built a **full-stack web application** that allows users to create and join rooms for **timed friend matching**.
- Implemented backend APIs to manage room creation, user participation, and match timing.

EXPERIENCE

Secretary – IEEE CS/RAS Joint Chapter

Jan 2024 – Jan 2025

IEEE Student Branch, College of Engineering Karunagappally

- Coordinated **technical and outreach initiatives** under the IEEE Computer Society and Robotics & Automation Society. Managed **student committees and event planning** for chapter activities.

Web Developer

Jan 2024 – Jan 2025

IEEE Student Branch, College of Engineering Karunagappally

- Designed and maintained the **official IEEE SB CEK website and other event websites of the chapter**, ensuring responsive layouts and clean, user-friendly UI.

ACHIEVEMENTS & ACTIVITIES

- Actively volunteered in many of my college events, took sessions to peers, mentored students in the college and Hackathons in various locations.
- Actively contributing to open-source and self-driven projects.
- Strong interest in AI systems, browsers, Web Development and automation tools