Karuna Nayak.S

+91 7483450571 | karunanayak2004@gmail.com | linkedin.com/in/karuna-nayak-s | github.com/Karuna-Nayak05

OBJECTIVE

Aspiring software engineer specializing in full-stack web development with a focus on the MERN stack.Skilled in collaborative development, performance optimization, and delivering maintainable code in cross-functional teams.

EDUCATION

Canara Engineering College — Mangaluru, India
Bachelor of Engineering in Computer Science | CGPA: 7.67 — *Dec 2022 – Present*

Canara PU College — Mangaluru, India
PCM with Computer Science | 84.5% — *Jun 2020 – May 2022*

TECHNICAL SKILLS

Languages: Java, C
Web Development: Node.js, Express.js, HTML, CSS ,React.js
Tools & Platforms: Postman, VS Code, Linux,Github

PROJECTS

Chapter by Chapter - Personal Library Manager (MERN Stack) — Aug 2025 – Present
- Built a full-stack MERN library app enabling users to manage book collections, notes, completion status, and ratings.
- Integrated progress indicators and achievement badges to encourage consistent reading habits.
- Enhanced user experience with responsive UI components, interactive state management, and persistent local storage.

NavAI: Smart Indoor Navigation for the Visually Impaired (Python, AI) — Jun 2025 – Present
- Developed vision-based navigation system for obstacle detection using **YOLOv8** and depth estimation with **MiDaS**.
- Researching and integrating **RTAB-Map SLAM** for indoor mapping and real-time localization.

GreenGPT – Carbon Footprint Estimator (React, Express, Cohere API) — Jul 2025
- Built AI-powered web application for estimating carbon footprint, with data visualization charts and recommendations.
- Integrated Cohere APIs and external NLP services for dynamic user feedback.

HACKATHONS

SAP Hackfest — May 2025
- Led ideation phase for cloud-integrated automation solutions using SAP tools.

College Ideathon — Mar 2025
- Selected among Top 10 teams for innovative project concepts.

Aethereon Hackathon – Canara Engineering College — Mar 2025
- Contributed to AI-driven system design during a real-time hackathon challenge.

CERTIFICATES

- Oracle Cloud Infrastructure 2025 Certified Foundations Associate — *Oct 2025*
- AWS Cloud Practitioner Essentials – Cloud fundamentals and deployment — *Jun 2025*
- Generative AI with AWS – Cloud-integrated AI systems — *Jun 2025*
- Postman API Fundamentals Student Expert — *Aug 2025*
- Google AI Essentials – Coursera — *Feb 2025*
- Cyber Security and Privacy – NPTEL (IIT-M) — *Oct 2023*