PRABHAKARAN K

📞 +91 9791901552 ✉ k.prabhakaran.in@gmail.com 🔗 linkedin.com/in/prabhakaran-kpr

⬡ prabha55555 ⬤ prabha55555 ⬡ prabha55555

SUMMARY

I'm a passionate Computer Science student, quickly grasping new concepts and applying analytical skills to solve real-world problems. Adaptable, a team player, and thrive in dynamic environments to achieve collective goals

EDUCATION

KPR Institute of Engineering and Technology, Coimbatore   *2022 – 2026*

- B.Tech - Computer Science and Business Systems   **CGPA: 8.3** (upto 5th semester)

Kongu Vellalar Matric Higher Secondary School, Tirupur   **HSC: 88.8% SSLC: 83.6%**   *2020 – 2022*

SKILLS SUMMARY

Frontend: HTML, CSS, JavaScript
Programming Languages: Java
Frameworks/Libraries: React.js, Node.js ,Express.js
Tools: Git, GitHub, Figma, Autodesk Fusion 360, Vercel
Databases: MYSQL, MongoDB

PROFESSIONAL EXPERIENCE

Capable Solutions, *Frontend Developer Intern*   *Feb 2025 – Mar 2025*
- Developed and enhanced frontend components to meet project requirements, ensuring functionality, design, and UI/UX improvements.
- Integrated APIs and optimized website performance for better responsiveness and user experience.

Codsoft, *Web Development Intern*   *Jan 2024 – Feb 2024*
- Developed web components using HTML, CSS, and JavaScript to enhance functionality and user experience.
- Managed code versions by uploading to GitHub, ensuring timely and accurate task completion

PUBLICATIONS

Transforming Solid Waste Management in India: The CallBin IoT Solution

Annual International Conference on Multidisciplinary Research (ICMR - 2024), IIT Madras Research Park, Chennai (December 2024) Organized by ESN Publications

PROJECTS

Travel Beam AI   ⬤ *Live Demo* ⬡ *Repo Link*
- Developed a dynamic, responsive web application using React.js and Firebase for seamless user experience.
- Integrated APIs to fetch real-time location data, suggesting places, trip plans, and nearby hotels
- Implemented an automated itinerary generation, delivering structured daily travel plans with images and details

CallBin
- Developed an AI-powered waste segregation system using moisture sensors, servo motors, and ResNet-50 for automated classification.
- Implemented bin capacity alerts and biogas generation, enhancing eco-friendly waste management; project published at IIT Madras under ESN Publications.

GenImageB10   ⬤ *Live Demo* ⬡ *Repo Link*
- Developed an AI image generation platform using Stable Diffusion via Hugging Face, enabling users to create and share images on a public community feed.
- Built a responsive frontend with React.js and a backend with Node.js and Express.js to manage prompt processing and image rendering.

ACHEIVEMENTS

- **First Prize** – Project Presentation, Kongu Engineering College (2022).
- **Third Prize** – Project Presentation, IIT Patna (2023) for Call Bin (AI-based waste segregation).
- **Hackfest 2024** – Coordinated event with SAP for smooth execution.
- **Secretary, CSBS Department (2024)** – Led initiatives and organized events.

CERTIFICATIONS

- **Acquiring Data Analysis,** NASSCOM
- **Problem Solving (Basics),** HackerRank
- **Management Information Systems,** NPTEL
- **AI for Everyone**, Coursera
- **Git Foundations** , Github