C.K.BHALAJI

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SUMMARY

A B.E. Computer Science graduate (2025) passionate about software development and web technologies. Skilled in full-stack development, debugging, and problem-solving. Experienced with the SDLC and collaborative team environments. Eager to apply technical skills in Java, ReactJS, and SQL to contribute to impactful projects and continuous learning.

EDUCATION

B.E. – Computer Science and Engineering
Velammal College of Engineering & Technology, Madurai | *2025* | CGPA: 8.26
Higher Secondary (HSC)
Point Calimere International School | 2021 | *Mark: 89%*
SSLC (Secondary School)
Point Calimere International School | 2019 | *Mark: 79.6%*

TECHNICAL SKILLS

Languages: Java, C, Python
Frontend: HTML, CSS, JavaScript, ReactJS
Backend: MySQL, FastAPI, PostgreSQL, SQLAlchemy
Tools/Other: Git, GitHub, VS Code, Postman

CERTIFICATIONS

NPTEL: Privacy and Security in Online Social Media
Coursera: Google UX Designer Professional Certificate
NPTEL: Cloud Computing

INTERENSHIP / PORTFOLIO

Reccsar Private Limited — *MERN Stack Development Intern*   July 2023

- Gained practical experience in **MERN stack development**, focusing on responsive front-end layout using **Flexbox** and component-based design.
- Collaborated in a team to develop a **Basic Expense Tracker** web application, implementing core functionality using **MongoDB, Express.js, React, and Node.js**.
- Applied debugging and testing practices to ensure application responsiveness across different devices.
- Built a personal **portfolio website** showcasing internship learnings and clean UI design principles using **HTML, CSS**, and hosted it via GitHub Pages.

PROJECTS

Lorry Link – Logistics Web Application
Tech Stack: React (Vite), FastAPI, PostgreSQL

- Built a full-stack logistics platform with role-based dashboards for **Admin**, **Driver**, and **Goods Owner**.
- Designed a **React Vite** frontend with theme switching, protected routing, and responsive UI.
- Developed RESTful APIs using **FastAPI** and **PostgreSQL** for authentication, bidding, load and dispute management.

Job Portal Web Application
Tech Stack: *ReactJS, HTML, CSS, JavaScript*

- Developed a responsive frontend for a job portal enabling **user registration**, **job search**, and **online application submission**.
- **Integrated recruiter features** including job posting, dynamic job listing updates, and reusable UI components.
- **Implemented client-side routing** and **form validation** for improved UX and navigation flow.

Real-Time Traffic Sign Detection (YOLOv8)
Tech Stack: *Python, YOLOv8, OpenCV, Roboflow, Google Colab*
Published: *IEEE Xplore* – DOI: 10.1109/ICISC60378.2024.10860011

- **Built and trained** a custom deep learning model using **YOLOv8** for real-time traffic sign detection and classification.
- **Enhanced road safety** by accurately recognizing regulatory and warning signs in live video feeds.
- **Optimized performance** through **dataset preprocessing**, **label balancing**, and **OpenCV integration** for frame processing.