

# KARTHIK C V

Mysore | karthikvgowda115@gmail.com | 7760572054 |

<https://www.linkedin.com/in/karthik-v-gowda> | <https://github.com/karthikvgowda115>

## Summary

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Software Engineer with 1.5 years of full-stack development experience in Java, React, Node.js, PostgreSQL, SQL, and MongoDB, skilled in building responsive UIs, RESTful APIs, and efficient database structures, with proficiency in Git for version control.

## Skills

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- **Frontend:** React.js, HTML5, CSS3, JavaScript
- **Backend:** Node.js, Java, Spring Boot, Hibernate
- **Database:** MongoDB, PostgreSQL, MySQL
- **Devops & Tools:** Git, GitHub, GitLab, Docker, AWS, CI/CD Pipelines, Postman
- **APIs:** RESTful API Development and Integration

## Education

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<b>Coorg Institute Of Technology</b> BE in Computer Science GPA: 7.0	2021 – 2024
<b>Cauvery Polytechnic, Gonikoppal</b> Diploma in Computer Science Percentage: 75%	2018 – 2021

## Experience

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<b>Software Engineer, Vizada Global Solutions Mysore</b> <b>Job Role:</b> <ul style="list-style-type: none"><li>• Developed responsive and interactive user interfaces using React.js, JavaScript, HTML, and CSS.</li><li>• Implemented reusable components, hooks, and state management using React Context API / Redux.</li><li>• Optimized UI performance, ensured cross-browser compatibility, and enhanced user experience with clean and modular code.</li><li>• Built server-side applications and RESTful APIs using Node.js (Express.js) and Java (Spring Boot).</li><li>• Implemented business logic, authentication, authorization (JWT/OAuth), and middleware for request handling.</li><li>• Integrated third-party services and maintained secure communication between frontend and backend systems.</li><li>• Designed and optimized relational database schemas using PostgreSQL / SQL for high-performance queries and transactions.</li><li>• Worked with MongoDB for handling unstructured and scalable NoSQL data requirements.</li><li>• Performed data modeling, indexing, stored procedures, joins, and database migrations for application scalability.</li><li>• Version control and collaborative development using Git and GitHub/GitLab.</li></ul>	Dec 2024 – Present
<b>Full Stack Developer Intern, Kodnest Bengaluru</b> <b>Job Role:</b> <ul style="list-style-type: none"><li>• Assisted in building and enhancing web applications using Java, Spring Boot, and REST APIs on the backend.</li><li>• Developed responsive and user-friendly frontend interfaces using React.js, JavaScript, HTML, CSS.</li><li>• Worked on connecting the frontend with backend APIs to ensure smooth data flow and application functionality.</li><li>• Wrote and optimized SQL queries for data retrieval, insertion, and updating in relational databases.</li><li>• Participated in daily stand-up meetings, code reviews, and Agile development practices.</li></ul>	Jun 2024 – Nov 2024

- Collaborated with senior developers, fixed bugs, and implemented new features under guidance.
- Used Git for version control and code collaboration.

## Projects

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### Birds Sanctuary Management System

#### Project Description:

The Bird Sanctuary Management System is a web-based application designed to manage and digitalize sanctuary operations, including bird species information, visitor details, ticket booking, and habitat monitoring. The project helps improve wildlife conservation efforts, ensures proper maintenance of bird records, and enhances the visitor experience through a user-friendly interface.

- Bird Information Module: Maintains detailed records of bird species, including scientific name, habitat, diet, migration patterns, and endangered status.
- Visitor Management: Allows visitors to check timings, book tickets online, and access sanctuary guidelines.
- Habitat Monitoring: Tracks bird populations, health status, and seasonal migration data.
- Admin Dashboard: Admin can add/update bird species, manage ticket pricing, track visitors, and generate reports.
- Interactive UI: Visually displays bird categories with images, habitat zones, and maps for educational purposes.

### Smart Grocery Delivery Platform

#### Project Description:

A full-stack web application that enables users to browse groceries, add items to their cart, place orders online, and track delivery status. The platform also provides an admin panel for managing products, inventory, pricing, and orders, making it a scalable solution for modern grocery startups.

- User registration, login authentication (JWT-based).
- Browse products by categories (fruits, vegetables, dairy, etc.).
- Add to cart, update quantity, and place orders securely.
- View order history and live delivery status.
- Add, update, and delete grocery items with images and stock availability.
- Manage customer orders, delivery assignments, and pricing.
- Dashboard with total sales, daily orders, and inventory reports.

### AI Chatbot

#### Project Description:

A web-based AI chatbot application that enables users to interact with an intelligent virtual assistant for answering queries, customer support, and task automation. The chatbot is built using React for the frontend and Node.js for backend API handling, integrated with AI/NLP models to understand and respond to user messages in real-time.

- Interactive Chat Interface: Built using React.js for a responsive, real-time messaging experience.
- AI Response Generation: Integrated OpenAI API / NLP logic on the backend to understand and reply intelligently to user queries.
- RESTful API Integration: Backend developed with Node.js and Express.js to handle message flow between frontend and AI services.
- Conversation History: Option to store chat sessions or message history for later reference.
- Real-Time Updates: Implemented dynamic rendering to display bot and user messages instantly.
- Responsive UI Design: Ensured a clean, mobile-friendly chat layout using modern CSS styling.

## Certifications

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- Full Stack Developer
- AWS( Amazon Web Services)