

Karthik Suresh

LinkedIn: [linkedin.com/in/karthik-suresh007](https://www.linkedin.com/in/karthik-suresh007)

GitHub: github.com/karthiksuresh007

Email: karthiksuresh897@gmail.com

Mobile: +91-9496935553

SKILLS

- **Languages:** C++, JavaScript, C, PHP, Python, Java
- **Frameworks:** React.js, Next.js, Node.js, Express.js, TailwindCSS
- **Tools/Platforms:** MySQL, MongoDB, Firebase,
- **Soft Skills:** Problem-Solving, Team Player, Project Management, Adaptability

PROJECTS

Food Delivery Website

Mar 2024

- Developed a fully functional food delivery platform using the MERN stack.
- Built a **dynamic React.js front-end** for a seamless user experience.
- Designed a **scalable Node.js & Express.js back-end** for efficient order processing.
- Utilized **MongoDB** for data management and real-time updates.

Tech stack used: MERN (MongoDB, Express.js, React.js, Node.js).

Chakravayuh AI – Global Conflict Impact Analyzer

May 2024

- Build a backend platform to analyze how global conflicts impact supply chains, fuel availability, and trade.
- Developed **REST APIs using Node.js and Express.js** to process and deliver insights to the frontend.
- Implemented **data ingestion pipelines** to collect and process geopolitical and economic data from multiple sources.
- Designed a **scalable backend architecture** to handle large datasets and near real-time updates.
- Focused on **responsive and interactive user experiences** using modern web practices.

Tech: Node.js, Express.js, MongoDB, REST APIs, Data Processing

PrepMate-AI – AI-Powered Interview Assistant

Nov 2023

- Developed a full-stack AI-powered platform for personalized interview preparation.
- Integrated **Gemini AI API** to generate role-specific technical Q&A and explanations.
- Implemented **JWT-based user authentication**, session saving, pinning, and dynamic Q&A flow.
- Designed a responsive, clean UI with **Tailwind CSS**, and structured interview sessions using **React**
- Backend built using **Node.js, Express.js, and MongoDB** for session/user management.

Tech: MERN, Gemini AI API, Tailwind CSS, JWTAuth

Digital Krishi Officer – AI Agricultural Advisory Platform

Dec 2023

- Built a **full-stack AI agricultural advisory platform** that enables farmers to submit crop queries and receive actionable field recommendations.
- Implemented **Gemini AI-based** query processing to analyze farmer questions and generate structured agricultural guidance.
- Developed a **responsive React + Next.js frontend** for farmer query submission, advisory viewing, and interaction.
- Designed a **Node.js + Express backend with REST APIs** for AI processing, advisory generation, and system workflows.

Tech: Next.js, React, Node.js, Express.js, Firebase Auth, Firestore, Gemini AI API, Tailwind CSS

CERTIFICATES

- Mastering Data Structures & Algorithms using C and C++ by Abdul Bari (Udemy). Mar 2024
- Building Web Applications in PHP (Coursera). May 2024
- Server-side JavaScript with Node.js (Coursera). July 2023
- The Complete Full-Stack Web Development Bootcamp for 2024 by Dr. Angela Yu (Udemy). Sep 2023
- Social Network Analysis (NPTEL) Dec 2023

ACHIEVEMENTS

- **Achieved 4-star rating in C++, Java, and Problem Solving on Hacker Rank.**
Certified 4-Star Coder.

EDUCATION

Lovely Professional University

Punjab, India

- *Bachelor of Technology - Computer Science and Engineering; CGPA: 7.5*

Since August 2022

St. Ephrems, Mannanam

Mannanam, Kerala

- *Intermediate; Percentage: 90.6%*

April 2020 - March 2022

Holy Cross HSS, Thellakom

Thellakom, Kerala

- *Matriculation; Percentage: 98%*

April 2019 - March 2020