Krithik US

MERN Stack & Backend Developer

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Profile

I'm a MERN Stack & Backend Developer (Fresher) with hands-on experience in designing and deploying full-stack applications. Skilled in building scalable REST APIs, implementing secure authentication, and optimizing database queries using Node.js, Express, and MongoDB. Delivered 2 production-ready projects — a blogging platform and an AI-powered farming service — that improved API performance and user experience. Strong focus on end-to-end delivery, covering backend logic, API integration, testing, deployment, and documentation. I'm looking for a full-time role—or freelance projects—where I can contribute reliable, production-ready solutions and continue growing through hands-on development.

Education

East Point College of Higher Education   2022 – 2025
Bachelor of Computer Application

Technical skills

Backend: Node.js, Express.js, REST APIs, JWT/Auth, Middleware

Frontend: React.js, JavaScript (ES6+), Tailwind CSS, HTML5

Database: MongoDB (Mongoose, Aggregation, Indexing), Firebase (Auth, Storage)

Testing & Tools: Insomnia, Postman, Git & GitHub

Deployment & DevOps: Render, CI/CD basics, Environment Configs

Other (supporting): Python, Flask, Machine Learning (scikit-learn, model deployment)

Internship Experience

Hope Foundation   15/01/2025 – 11/02/2025
AI and Python Intern   Bengaluru
- Worked on an AI-powered Farming Web Service, leveraging Machine Learning and Python for agricultural insights.
- Developed an ML-based Crop Recommendation System to suggest optimal crops based on soil properties, weather,conditions, and location.
- Integrated OpenWeatherMap API for real-time weather forecasts, assisting farmers in planning irrigation and harvesting.
- Designed an interactive market price trends dashboard using Flask, React.js, and Chart.js, enabling farmers to analyze historical crop prices.
- Developed practical experience in AI model deployment, API integration, and frontend-backend communication.
- Certified by Hope Foundation - View Certificate 🔗

Projects

Admin-Managed Blogging Platform 🔗
- Built a responsive multi-user blogging platform with role-based admin control and secure Firebase authentication.
- Designed REST APIs in Node.js & Express with MongoDB for scalable data storage.
- Implemented CRUD operations, pagination, and search features to improve usability.
- Deployed on Render, ensuring stable backend connectivity and smooth app performance.
- Tech Stack: React.js, Node.js, Express.js, MongoDB, Firebase

Farming Web Service Using AI
- Developed an AI-powered farming assistant that provides crop recommendations, real-time weather forecasts, and market price trends to support data-driven decision-making.
- Integrated OpenWeatherMap API for live weather updates and built interactive dashboards with React.js + Chart.js for market trend visualization.
- Trained and deployed ML models (scikit-learn + Flask) for crop suitability prediction, improving recommendation relevance for different soil and weather conditions.
- Implemented error handling and retries in API calls, ensuring more reliable data delivery to users.
- Tech Stack: Flask, React.js, Python (scikit-learn), Chart.js, OpenWeatherMap API