Krithik US

MERN Stack & Backend Developer

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Profile Summary

I'm a MERN Stack and Backend Developer with practical experience in building full-stack applications. I've worked on projects that include a blogging platform and an AI-based farming assistant. I focus on creating secure APIs, managing databases, and deploying complete web solutions using React, Node.js, Express, and MongoDB. I'm looking for a full-time role or freelance work where I can apply what I've learned and continue improving my development skills.

Technical Skills

- **Backend:** Node.js, Express.js, REST APIs, JWT Authentication, Middleware
- **Frontend:** React.js, JavaScript (ES6+),Bootstrap V5, HTML5
- **Database:** MongoDB (Mongoose)
- **Testing & Tools:** Postman, Insomnia, Git, GitHub
- **Deployment & DevOps:** Render, Netlify, Cloudinary, CI/CD, Environment Configuration
- **Other:** Python, Flask, Machine Learning (scikit-learn, Model Deployment)

Internship Experience

Hope Foundation
AI and Python Intern

15/01/2025 – 11/02/2025
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

- **Tech Stack:** React.js, Node.js, Express.js, MongoDB, Firebase
- **Project URL:** Click Here
- Built a responsive multi-user blogging platform with role-based admin control and secure Firebase authentication.
- Designed and implemented REST APIs using Node.js & Express, integrated with MongoDB for scalable data storage.
- Added CRUD operations, pagination, and search functionality to improve usability and performance.
- Deployed on Render, ensuring stable backend connectivity and smooth app performance across devices.

Farming Web Service Using AI

- **Tech Stack:** Flask, React.js, Python (scikit-learn), Chart.js, OpenWeatherMap API
- **Project URL:** Click Here
- Developed an AI-based farming assistant offering crop recommendations, real-time weather forecasts, and market price trends to support data-driven decisions.
- Integrated OpenWeatherMap API for live weather updates and built interactive dashboards using React.js + Chart.js.
- Trained and deployed ML models (scikit-learn + Flask) for crop suitability prediction, enhancing accuracy for varied soil and climate conditions.

Education

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