

VIKASH KR. GUPTA

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EDUCATION

- ST. THOMAS' COLLEGE OF ENGINEERING AND TECHNOLOGY : B-Tech in Computer Science And Engineering
Year Of Graduation: [2028]
 - PEARLS OF GOD : Higher Secondary Education(10+2)
Year of Completion: [2024]
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SKILL SUMMARY

- Programming Languages: JavaScript, Java, C
 - Web & Frameworks: HTML, React, Express.js, Tailwind CSS, Node.js
 - Databases & AI: MongoDB, Firebase
 - Tools & Platforms: Git, GitHub, VS Code, IntelliJ IDEA.
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PROJECTS

- PRAGATI PATH— [Live Link: <https://pragatipath.onrender.com/>] An AI-powered agricultural learning platform aiding new farmers in crop cultivation. - Developed a multilingual AI chatbot using Google's Gemini 2.0 Flash API to answer farming-related queries in real time with local language adaptability. - Built a weather-aware crop suggestion system that adapts to user location and climate data. - Automatic regional language content adaptation - Implemented image-based disease detection, allowing farmers to upload crop photos for diagnosis and treatment suggestions (custom-trained model). - Designed a clean, mobile-first interface using modular HTML/CSS/JS structure tailored for rural internet access scenarios. Tech Stack: HTML, CSS, JavaScript, Express.js, TensorFlow.js, Google Gemini AI, Clerk, MongoDB
 - Codigo: A competitive programming platform inspired by HackerRank with multiplayer and AI-assist features. - Integrated a code suggester that offers hints and solutions to help beginners understand problem-solving techniques. (acts like training wheels) - Developed a 1v1 live coding battle feature using WebSockets, allowing users to compete in real time. - Implemented point deduction logic to ensure fair play when AI assistance is used. - Designed a frontend with category-based problem selection across difficulty levels and customisable UI. - Real-time execution and Redis-backed leaderboard for crash resistance Tech Stack: HTML, CSS, JavaScript, React, Node.js, Socket.IO, Redis, Express.js.
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CERTIFICATES

- RESPONSIVE WEB DESIGN: [Profile | freeCodeCamp.org](#)
- JAVA: [Vikash Gupta - vikash9c35 | HackerRank](#)