

# Vaibhav Singh

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## Education

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GL Bajaj Institute of Technology and Management, Greater Noida

2024 - 2028

B.Tech - Information Technology - CGPA 8.7/10

## Projects

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### GigShield AI - AI-Powered Parametric Insurance Platform for Gig Workers

Built an end-to-end AI-driven parametric insurance platform that automatically detects disruption events (heavy rainfall, AQI spikes, traffic congestion) and triggers instant claim payouts without manual filing. Implemented ML-based risk scoring, income loss prediction, fraud detection (GPS spoofing / anomaly detection), worker/admin dashboards, and real-time risk heatmaps to simulate insurance automation for gig economy workers. [\[Live Demo\]](#) [\[Github\]](#)

**Tech Stack:** React.js, Tailwind CSS, Framer Motion, FastAPI, Python, scikit-learn, Supabase/PostgreSQL, OpenWeather API, Leaflet.js, Recharts, Git/GitHub

### ReliefNet AI | AI-Powered Disaster Response Platform

Built a real-time crisis management platform for emergency reporting, AI-based crisis analysis, predictive risk assessment, and smart volunteer dispatch to accelerate disaster response and coordination. [\[Live Demo\]](#) [\[Github\]](#)

**Tech Stack:** Flutter, FastAPI, Firebase, Gemini AI, Google Maps API, Python, Dart, REST APIs

## Skills

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- **Languages:** : C++, Python, JavaScript, TypeScript, PHP, Swift, HTML/CSS
- **Frameworks/Tools:** : React.js, Next.js, Node.js, Express.js, NestJS, FastAPI, LangChain, RAG, ElasticSearch, MCP, SwiftUI, Redux, MUI, Tailwind CSS, Git, Postman, VSCode, Figma
- **Databases/Security:** : PostgreSQL, MySQL, MongoDB, SQL, OWASP ZAP

## Certifications

AWS Academy Graduate - Machine Learning Foundations [View](#)

AWS Academy Graduate - Cloud Foundations [View](#)