Prithwish Karmakar

✉ pk22.animedev@gmail.com | 📱 +91 62904 48770 | Kolkata, India

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Summary

Full Stack Developer experienced in building 10+ MERN stack applications. Skilled in React.js, Node.js, and MongoDB with focus on performance, scalability, and user experience. Hands-on with OpenAI API integration and cloud deployment using Vercel/Netlify. Seeking to contribute to impactful, production-ready software solutions.

Technical Skills

Languages	JavaScript (ES6+), HTML5, CSS3
Frontend	React.js, Next.js, Tailwind CSS, Bootstrap
Backend	Node.js, Express.js, REST APIs
Database	MongoDB, MySQL
AI Tools	OpenAI API, Generative AI, Prompt Engineering
Tools/Platforms	Git, GitHub, Postman, Vercel, Netlify

Experience

Industrial Trainee – Generative AI & Prompt Engineering (Ardent Computech) Jul 2024 – Aug 2024

– Designed and deployed 4+ AI-based prototypes for text generation and automation.
– Optimized prompts to improve accuracy by 25% and reduced API latency by 20%.
– Integrated AI features into 2 production-ready client demo apps.

Full Stack Web Development Bootcamp (Udemy) Jan 2024 - Nov 2024

– Built 15+ MERN stack projects including 2 full apps with authentication and REST APIs.
– Improved code efficiency by 15% using reusable components and design patterns.
– Collaborated in Agile sprints ensuring 100% task completion.

Projects

NomadNest – AI-Powered Travel Planner (Live)

– Generated AI itineraries (90% preference accuracy) using OpenAI API.
– Reduced server response time by 25% via optimized MongoDB queries.
– Added authentication and trip-saving for 200+ active sessions.

AI Resume & Job Application Tracker (Live)

– Tracked 50+ job applications with AI-based resume optimization (25% ATS boost).
– Built analytics dashboard reducing organization time by 30%.
– Achieved 90+ Lighthouse score through bundle optimization.

Developer Portfolio (Live)

– Created responsive portfolio with 100% mobile compatibility and 2.5s load time.
– Improved UX and reduced bounce rate by 20%.

Education & Certifications

Bachelor of Computer Applications, The Heritage Academy 2022–2025
Certifications: The Complete Web Development Bootcamp (Udemy, 2024), Generative AI & Prompt Engineering (Ardent Computech, 2024)

Achievements

– Improved web app performance by 30% through code and query optimization.
– Deployed 5+ production-ready apps with 95% mentor feedback.
– Maintained 95% code-quality score using automated linting and reviews.

Languages

English (Professional), Hindi (Native), Bengali (Native)