Prithwish Karmakar

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SUMMARY

Full Stack Developer with experience delivering 10+ web applications using JavaScript frameworks. Skilled in React.js, Node.js, and MongoDB with focus on scalability, performance, and user experience. Improved application load times by 30% and API response speed by 20%. Hands-on with AI integration (OpenAI API), prompt engineering, and cloud deployment (Vercel, Netlify). Seeking opportunities to contribute to impactful, production-ready software solutions.

TECHNICAL SKILLS

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

WORK EXPERIENCE

Industrial Trainee — Generative AI & Prompt Engineering   Jul 2024 – Aug 2024
- Designed and deployed 4+ AI-powered prototypes for text generation and automation.
- Optimized prompt engineering strategies, improving accuracy of outputs by 25%.
- Reduced API latency by 20% through structured prompt design and token optimization.
- Integrated AI features into 2 production-ready applications for client demos.

Web Development Training — Full Stack Bootcamp   Nov 2024
- Completed 15+ projects covering MERN stack fundamentals and advanced concepts.
- Delivered 2 full-stack applications with authentication and REST API integration.
- Improved code efficiency by 15% by applying clean coding practices and design patterns.
- Collaborated in Agile workflows, achieving 100% task completion across sprints.

PROJECTS

AI Resume & Job Application Tracker   Live Demo: Link
- Built AI-driven platform to track 50+ job applications with stage-wise pipeline (applied, interview, offer).
- Integrated OpenAI API for resume optimization, increasing ATS keyword alignment by 25%.
- Developed analytics dashboard reducing job search organization time by 30%.
- Achieved 90+ Lighthouse performance score by optimizing bundle size and load time.
- Implemented secure authentication and role-based access for 100% data protection.

Developer Portfolio Live Demo: [Link]

– Designed responsive portfolio showcasing projects with 100% mobile compatibility.
– Achieved load time under 2.5 seconds and improved Google PageSpeed score by 20%.
– Reduced bounce rate by 20% through UX improvements and intuitive navigation.
– Integrated working contact form ensuring 100% message delivery success.

NomadNest — AI-Powered Travel Planner Live Demo: [Link]

– Built travel planner generating AI-based itineraries with 90% accuracy to user preferences.
– Implemented responsive design with 100% cross-browser and device compatibility.
– Optimized MongoDB queries, reducing server response time by 25%.
– Added authentication and trip-saving features, handling 200+ user sessions securely.

EDUCATION

2022 – 2025   Bachelor of Computer Applications, The Heritage Academy

CERTIFICATIONS

2024   The Complete Web Development Bootcamp (Udemy)
2024   Generative AI & Prompt Engineering (Ardent Computech)

ACHIEVEMENTS

– Improved web app performance by 30% through code and query optimization.

– Reduced development time by 20% by applying reusable components and clean code.

– Successfully deployed 5+ projects with 95% positive peer/mentor feedback.

– Maintained 95% code quality score (based on automated linting and reviews).

LANGUAGES

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