

# DIBYENDU KARAK

Full-Stack Developer

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[Portfolio](#) | [github](#) | [linkedin](#)

## EDUCATION

### VIDYASAGAR UNIVERSITY

India

English Bachelor of Arts

CGPA: 7.3

2019-07-01 - 2022-06-30

## EXPERIENCE

### SELF-EMPLOYED | Full-Stack Developer

Ajarnagar, West Bengal, India | 2025-07-01 - Present

Progressed from core MERN fundamentals through foundational projects (Weather App, Expense Tracker, To-Do List) to advanced e-commerce marketplace, integrating Stripe payments, Clerk auth, and Socket.io real-time inventory. Gained production expertise in Next.js/TypeScript applications via Zume resume builder, mastering SSR, and AI API orchestration for scalable user-facing apps. Deployed across Vercel, Render while optimizing MongoDB aggregation pipelines and multi-role auth systems. Overcame free-tier constraints and complex edge cases, building full-stack synergy, performance tuning, event-driven architecture, and client-ready skills targeted for software engineering roles at reputed companies.

## SKILLS

Programming Languages: C, C++, JavaScript, TypeScript, HTML, CSS

Libraries/Frameworks: React, Next.js, Redux, Tailwind CSS, Material-UI, Shadcn UI, Node.js, Express

Tools / Platforms: Vercel, Render, GitHub, Postman, JWT Auth, Clerk, Stripe, Webhooks, Mailtrap, MS-Excel, MS-Word, Tally, Open AI, Gemini, Antigravity

Databases: MongoDB, PostgreSQL, MySQL

## PROJECTS / OPEN-SOURCE

### ZUME | [Link](#)

TypeScript, JavaScript, CSS, Next.js, PostgreSQL, AI, Authentication, Resume Builder

AI-Powered Resume Builder & Job Application Assistant. Created an AI-assisted web application for resume building and job tracking. Integrated AI features to generate and enhance resume content.

Implemented secure user authentication and session management. Used PostgreSQL for structured data storage and management. Designed a clean and responsive user interface for an intuitive user experience.

### E-COMMERCE PLATFORM | [Link](#)

JWT, Stripe, Authentication, Full-stack, E-Commerce

Developed a full-stack e-commerce platform with secure authentication and product management features. Implemented JWT-based user authentication for secure login and authorization. Integrated Stripe for handling payments in checkout flow. Built an admin dashboard for managing products, orders, and users. Designed and developed a fully responsive user interface for seamless experience across devices.

### JAVASCRIPT PROJECTS PORTFOLIO | [Link](#)

JavaScript, HTML, CSS, APIs, Frontend

Created few frontend projects like Weather App, Expense Tracker, Todo App, Pomodoro Timer etc. to build strong hold on web development skills. Practiced DOM manipulation, event handling, and API integration. Designed clean user interfaces and refined code for readability and maintainability.

## CERTIFICATIONS

- Diploma in Information Technology - Bengal Institute Of Technical Education (BITE) - [BITE](#)
- Forward Program - The McKinsey.org - [The McKinsey.org](#)