

DIBYENDU PANJA

[Dibyendu | LinkedIn](#)
[Dibyendu | Github.com](#)

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PROFESSIONAL SUMMARY

Motivated and passionate Full Stack Developer specializing in the MERN stack (MongoDB, Express.js, React.js, Node.js), with hands-on experience building end-to-end, scalable, and high-performance web applications. Skilled in designing and developing responsive front-end interfaces and robust back-end systems, often enhanced with real-time features. Proficient in database design with MySQL and MongoDB, and experienced in delivering user-centric solutions through personal and academic projects. Eager to contribute to fast-paced development teams, continuously learn new technologies, and turn ideas into impactful, working products.

EDUCATION

Techno India University
B.Tech (L) Biotechnology; CGPA: 8.90

Kolkata, India
September 2021 - Aug 2024

Calcutta University
Bachelor of Science (HONORS) - Chemistry; CGPA: 7.4

Kolkata, India
June 2018 - August 2021

SKILLS SUMMARY

- **Languages:** Python, JavaScript.
- **Frontend:** React.js, TailwindCSS, Context API, HTML5, CSS3.
- **Backend:** Node.js, Express.js, JWT, RESTful APIs, Socket.io
- **Database:** MongoDB, MySQL
- **Tools:** Git, GitHub, Postman, VS Code
- **Soft Skills:** Communication, Collaboration, Stakeholder Management, Problem Solving, Leadership.

PROJECTS

URL Shortener Web Application | [LINK](#)

Tech Stack: MongoDB, Express.js, React.js, Node.js, Tailwind CSS, JWT.

- Built a full-stack URL shortener that reduced lengthy URLs by up to **85%**, improving link sharing efficiency and user experience.
- Secured user routes with **JWT-based authentication**, protecting **95% of endpoints** and improving system reliability.
- Optimized backend APIs, reducing response time and improving scalability.
- Can generate over **4Trillion** short, unique, and collision-resistant URLs, ensuring **safe and consistent identifier generation** across the application.
- Also featured track visits and usage analytics.

AI Trip Planner – AI Travel Planner with Smart Itineraries| [LINK](#)

Tech Stack: React.js, Node.js, Express, MongoDB, Gemini API, Google Maps API, Tailwind CSS

- AI Trip Planner is a smart travel planner to create personalized trips and live route planning for a better travel experience.
- Developed a mobile-friendly AI Trip Planner offering dynamic, real-time itinerary generation with smart suggestions for routes, attractions, and optimized travel plans.
- Integrated Gemini AI for instant conversational replies (average response <500ms).
- Designed and implemented a secure client-server architecture with REST APIs, supporting CRUD operations on trips and destinations.

Personal Portfolio| [LINK](#)

Tech Stack: React.js, Vite, Tailwind CSS.

- Built a responsive developer portfolio using React + Vite + Tailwind CSS.
- Showcased personal projects, technical skills, and social links with a clean, modern UI using component-based architecture for reusability and scalability.
- Integrated Particle.js animated background and interactive Hero section, enhancing user engagement by providing dynamic visual experience.
- achieving a Lighthouse accessibility score of 88.

HOBBIES

- **Playing Cricket, Traveling and Photography**