

# Rahul Sarkar

## Full Stack Web Developer | [Portfolio](#)

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**Full Stack Web Developer with 4 years of professional IT and web development experience**, seeking this role to build scalable, end-to-end web applications. Experienced in frontend development using React, JavaScript, HTML, and CSS, along with backend services built using Node.js, Express, and MongoDB. Skilled in REST API integration, authentication flows, and production deployments, with a focus on responsive, user-centric solutions.

### SKILLS

**Core:** React, JavaScript (ES6+), HTML, CSS, TypeScript, Redux, Tailwind CSS, Bootstrap, AI/LLM API Integration & fundamentals

**Backend:** Node.js, Express.js, MongoDB, REST APIs, JWT Authentication, Role-Based Access Control, Authentication & Authorization (Passport.js), Environment Variables

**Database:** MongoDB, Mongoose, Schema Design

**Tools:** Git, GitHub, npm, Postman, VS Code, Render, Linux, AWS (Basics), CI/CD (Basics)

**Soft Skills:** Collaboration, Cross-functional teamwork, Client communication

### KEY ACHIEVEMENTS

- Improved frontend performance by 25% through React component optimization.
- Reduced MongoDB query response times by 30% via schema and query optimization.
- Deployed and supported production applications on Render/AWS with 99.5% uptime.

### WORK EXPERIENCE

**System Engineer - Infosys**, Pune, Maharashtra

March 2022 - Present

- Built responsive React dashboards, improving cross-device usability by 25%.
- Developed Node.js/Express REST APIs supporting 1k+ daily requests, with JWT-based authentication.
- Collaborated cross-functionally to deliver production-ready features and stable releases.

### PERSONAL PROJECTS

**MemoryMap - Full Stack CRUD Web Application**

[View Live](#)

[GitHub Repo](#)

**Tech Stack:** Node.js, Express.js, MongoDB, EJS, CSS | **Authentication:** Passport.js | **Deployment:** Render

- Developed a full-stack CRUD application enabling users to create, review, and manage location-based experiences with secure authentication.
- Designed RESTful APIs and MongoDB schemas, implementing authorization, session management, and server-side validation.
- Implemented a responsive, server-rendered UI using EJS and deployed the application with environment-based configuration.

**Chatbot Webapp - Chatbot using Google AI Studio API**

[View Live](#)

[GitHub Repo](#)

**Tech Stack:** HTML, CSS, JavaScript, Node.js, Express.js, Gemini API | **Deployment:** Render

- Built an AI-powered chatbot with a responsive UI, dark/light mode, and real-time API interaction.
- Deployed the application on Render with CI-style updates via GitHub, ensuring smooth iteration and availability.

**Tutor Dashboard - Benchmark Learning**

**Tech Stack:** Node.js, Express, MongoDB, EJS, CSS

- Developed a full-stack tutor management dashboard for handling profiles, schedules, and session data.
- Implemented dashboard-style frontend views integrated with Node.js APIs, authentication, and dynamic updates.

### CERTIFICATIONS

- Web Developer Bootcamp, AWS Cloud Practitioner Exam Training (CLF-C02) – Udemy (2025)
- L1 Junior Linux Admin Professional, L1 Junior Windows Admin Professional – Infosys (2024)

### EDUCATION

**BTech in Information Technology**

2023 - 2026

*Seacom Engineering College, Howrah, West Bengal*

**Diploma in Electronics and Telecommunication Engineering (ETCE)**

2018 - 2021

*Central Calcutta Polytechnic College, Kolkata, West Bengal*