Bikram Roy

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PROFESSIONAL SUMMARY

Full Stack Developer with strong expertise in DevOps and Generative AI, skilled in building dynamic, scalable, and user-centric web applications. Experienced in API integration, database management, and cloud deployment with hands-on CI/CD automation. Passionate about leveraging AI-driven solutions to enhance performance, functionality, and user engagement while continuously learning and innovating in modern development environments.

EDUCATION

- **Master Of Computer Application**   **10/2023 - 08/2025**
  Vidyasagar University | CGPA: 9.70 (Gold Medalist) ⦿

- **BSc Computer Science(H)**   **09/2019 - 09/2022**
  University of Calcutta | CGPA: 8.59 ⦿

SKILLS

Programming Languages: Java, JavaScript (ES6+), TypeScript
Frontend: HTML5, CSS3, Tailwind CSS, Bootstrap, Material UI, React.js, Redux Toolkit
Backend: Node.js, Express.js, RESTful APIs, Microservices Architecture
Databases: SQL, MySQL, MongoDB, Mongoose
DevOps & Cloud: Docker, Kubernetes, GitHub Actions, CI/CD Pipelines, AWS EC2, Render, Vercel
Testing & Version Control: Jest, Postman, Git, GitHub
APIs & Integrations: JWT, Cloudinary, Clerk, Razorpay API, Gemini API, OpenAI API, Axios
CS Concepts: DSA, OOP, DBMS, Computer Networks, System Design**,** Agile, Scrum

PROJECTS

- **Clinitix | Doctor Appointment Booking Platform** ⭗ ⦿   08/2025 - 10/2025
  Tech Stack: *React, Node.js, Express.js MongoDB, JWT, Tailwind CSS, Axios, React Router, Cloudinary API, Payment Gateway*
  - Built a multi-role healthcare booking system with dedicated dashboards for Patient, Doctor, and Admin roles.
    Created **Patient flows:** browse doctors, book and cancel appointments, view history; **Doctor flows:** view & manage bookings, manage profile; **Admin flows:** manage doctors and appointments.
  - Implemented JWT-based authentication & authorization with protected routes and role-specific access.
  - Developed RESTful APIs using Express.js and MongoDB for managing users, doctors, and appointments.
  - Integrated a secure online payment gateway for appointment transactions and automated confirmations.
  - Designed a responsive, Tailwind CSS UI with React Router and deployed the full-stack app on cloud platforms.

- **inQuick | AI-Powered Tech Blog Platform** ⭗ ⦿   07/2025 - 08/2025
  Tech Stack: *React, Node.js, Express.js, MongoDB, JWT, Tailwind CSS, Axios, ImageKit API, Gemini API*
  - Built a full-stack MERN blogging platform integrated with AI APIs to auto-generate and suggest blog content.
  - Developed RESTful APIs for blogs, users, and comments with secure JWT-based authentication.
  - Integrated ImageKit API for efficient media upload, transformation, and optimization.
  - Designed a responsive UI using React and Tailwind CSS with dynamic editor, post feed, and content filtering.
  - Deployed on Vercel and AWS EC2, ensuring seamless client–server communication and environment management.

- **FoodTruck | Full-Stack Food Ordering Platform** ⭗ ⦿   05/2025 - 07/2025
  Tech Stack: *React, Node.js, Express.js, MongoDB, JWT, CSS, Axios, React Router, Payment Gateway*
  - Built a multi-role food ordering platform enabling customers to browse, order, and track food items in real time.
    Created **Customer flows:** browse menu, add to cart, place orders, view order history;
    Admin flows: manage menu, track orders, update delivery status, and monitor transactions.
  - Implemented JWT-based authentication and authorization with protected routes for user and admin access.
  - Developed RESTful APIs in Express.js for menu management, order processing, and transaction tracking.
  - Integrated secure online payment gateway for processing food orders and managing transaction status.
  - Designed a mobile-responsive, clean UI in React + CSS; managed state and routing; deployed full-stack app on Render.

ACHIEVEMENTS & ACADEMIC CONTRIBUTIONS

- **Gold Medalist** (First Class First) — Master of Computer Applications, Vidyasagar University
- **Co-Author** — "A Speech-Driven Context-Aware Transformer Framework for Behavioral Risk Detection in Conversational Data," submitted to *Applied Intelligence **(Springer)** - under peer review*
- Solved **200+ Problems on Leetcode**, demonstrating strong problem-solving and algorithmic skills ⦿
- **Web Developer** — *Vitibe Project*, 2025 | Department of Commerce, Vidyasagar University ⦿
- **Team Lead** — *Website Dev. Team, Technova Tech Fest*, 2023 | Fakir Chand College, University of Calcutta ⦿