

KUNAL CHAKRABORTY

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OBJECTIVE

Aspiring Software Developer with experience in full-stack development using React, Node.js, and MongoDB. Skilled in building RESTful APIs, working with SQL and NoSQL databases, and programming in Python and Java, with a strong focus on clean code and agile collaboration.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, C
Frontend Technologies: HTML5, CSS3, React.js, Tailwind CSS

Backend Technologies: Node.js, Express.js, RESTful APIs, Socket.IO, Redis

Databases: MongoDB, MySQL, PostgreSQL

DevOps & Tools: Git, GitHub, CI/CD Pipelines, Sentry, API Testing, Debugging

EDUCATION

Brainware University	2024 – 2026
Masters In Computer Application (<i>CGPA: 8.6</i>)	Barasat, West Bengal
The University OF Calcutta	2020 – 2024
Bachelors In Commerce (<i>CGPA: 8.2</i>)	Kolkata, West Bengal
Barasat Mahatma Gandhi Memorial High School	2018 – 2020
Higher Secondary Education (<i>Percentage: 81%</i>)	Kolkata, West Bengal

EXPERIENCE

Full-Stack Developer Intern IBM Virtual Internship	JULY 2025 – NOV 2025
• Developed and maintained full-stack web applications using React, Node.js, Express, and MongoDB , contributing to approximately 60% of core product features and improving overall system functionality.	
• Implemented secure authentication, file uploads, and real-time features using Clerk, Multer, and Socket.IO , improving application stability by 35% .	
• Optimized REST APIs and WebSocket communication using Axios and performance tuning techniques, reducing average response time by 25% , while improving production reliability by 40% through Tailwind UI and Sentry monitoring .	
Certification: IBM Full-Stack Developer Internship Certificate	
Web Developer Intern Flikt Technology Web Solution	NOV 2025 – DEC 2025
• Developed backend services for a Learning Management System (LMS) using Node.js, Express.js, and MongoDB , implementing course management, user roles, and progress tracking, improving system efficiency by 40% .	
• Optimized database queries and RESTful APIs, reducing response time by 30% and improving overall platform reliability and scalability.	
• Implemented background jobs and error handling for LMS workflows, improving system reliability by 30% and reducing failed operations in production.	

PROJECTS

TOOLZEN AI (In Progress) | *React, Node.js, Express.js, MongoDB, Gemini AI*

- Developing an AI-powered SaaS platform using **React.js** and **Node.js**, integrating **Google Gemini API** to deliver intelligent content generation and automation tools.
- Implemented secure API key management, request throttling, and usage-based limits for Gemini AI, improving system reliability and preventing API abuse by **40%**.
- Optimizing backend performance with **Redis caching**, asynchronous processing, and database indexing to reduce API response time by an estimated **35%**.

INSIDERJob | *React, Node.js, Express.js, MongoDB, REST API, JWT, Sentry* [LINK]

- Developed a full-stack job portal platform using **React.js**, **Node.js**, and **MongoDB**, enabling job posting, application tracking, and employer–candidate workflows.
- Implemented **JWT-based authentication**, role-based access control, and RESTful APIs, while integrating **Sentry** for real-time error monitoring, reducing production errors by **40%** and improving system reliability.

LANGUAGES

Languages Known: English (Fluent), Hindi (Fluent), Japanese(Intermediate), Bengali (Fluent)