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*(CGPA: 8.6)*	Barasat, West Bengal
The University OF Calcutta	**2020 − 2024**
Bechelors In Commerce*(CGPA: 8.2)*	Kolkata,West Bengal
Barasat Mahatma Gandhi Memorial High School	**2018 − 2020**
Higher Secondary Education *(Percentage: 81%)*	Kolkata,West Bengal

EXPERIENCE

Full-Stack Developer Intern — July 2025 − November 2025
IBM Virtual Internship — Remote

- Developed and maintained full-stack web applications using **React, Node.js, Express, and MongoDB**, contributing to approximately **60% of core product features**.
- Implemented secure authentication and real-time features using **Clerk, Multer, and Socket.IO**, improving stability by **35%**.
- Optimized REST APIs and WebSocket communication, reducing average response time by **25%** and improving reliability by **40%** via **Sentry monitoring**.

Certification: IBM Full-Stack Developer Internship Certificate

Web Developer Intern — November 2025 − December 2025
Flikt Technology Web Solution — Remote

- **Engineered** scalable backend services for a Learning Management System (LMS) using **Node.js, Express.js, and MongoDB**, implementing course management and user roles that improved system efficiency by **40%**.
- **Optimized** database queries and RESTful APIs, reducing average response times by **30%** and significantly enhancing platform scalability.
- **Minimized** background job latency and refined error-handling workflows for LMS operations, improving production reliability by **30%** and reducing failed transactions.

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]

- Innovated a full-stack job portal platform using **React.js**, **Node.js**, and **MongoDB**, enabling job posting, application tracking, and employer–candidate workflows.
- Operated **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)