PRIYANSHU RAJ CHAUHAN

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TECHNICAL SKILLS

Languages: JavaScript, Java, Python
Development: Node.js, Express.js, REST APIs, JWT Authentication, Firebase, MongoDB, GraphQL, MySQL, PostgreSQL, API Optimization,RBAC,Server-side Validation
Testing and DevOps: Docker, Kubernetes, Git, GitHub, Postman, Vercel

EXPERIENCE

Software Developer Intern — Star Cement Ltd   *Jul 2024 – Aug 2024*

- Designed and developed a scalable **Courier Management System** using HTML, CSS, JavaScript, PHP, and MySQL to automate internal logistics operations.
- Built optimized **REST APIs** with structured indexing and query optimization, improving average API response time to **sub-100ms**.
- Implemented request validation, centralized error handling, and **asynchronous processing** to efficiently handle high concurrent server load.
- Applied **RBAC** to secure sensitive endpoints and ensure controlled access across multiple user roles.
- Reduced server load, improved throughput by optimizing database joins,pagination,and API payload.
- Authored technical architecture and API documentation to support internal workflows and deployment.

Technical Coding Mentor Apprentice — Assam Down Town University   *Nov 2024 – Feb 2025*

- Assisted and mentored **200+ students** in Web development,API design, and database concepts.
- Guided students through coding labs,Problem Solving, and debugging sessions.

PROJECTS

Discord Automation Bot   *Node.js, discord.js, MongoDB*

- Developed an automated Discord bot for moderation, role management, and real-time notifications.
- Integrated MongoDB for persistent storage of server configurations and user metadata.

Forkful — AI Recipe & Nutrition Tracker   *MERN Stack, Firebase, Gemini*

- Built an **AI-powered** recipe generation platform with personalized meal recommendations.
- Implemented Firebase Authentication and Firestore to securely manage user data.

Women Safety SOS Application   *MERN Stack, Firebase, JWT*

- Developed secure backend APIs to handle **real-time SOS alerts**, **GPS tracking**, and media uploads.
- Focused on low-latency request handling and secure token-based authentication.

EDUCATION

Bachelor of Technology — Assam down town & University   *2025*
Computer Science Engineering CGPA: 8.06

CERTIFICATIONS

- Software Engineer Intern — HackerRank
- Programming for Everybody (Python) — University of Michigan
- Mathematics for Machine Learning: PCA — Imperial College London

ACHIEVEMENTS

- **AIR 16** — IIT Bombay National Entrepreneurship Challenge
- **Top 10** — IIT Kharagpur NSSC Technical Paper Presentation
- Technical Paper Presenter — **IIT Delhi** Tryst
- **Pre-Incubated Startup** — Campus Ideathon