

# Prafulla Kumar

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## Education

**Bachelor of Technology in Computer Science**  
Oriental college of technology, Bhopal

**2021-2025**  
CGPA: 7.78

## Skills

**Languages** : JavaScript, TypeScript, Java(core), HTML, CSS

**Frameworks/Libraries** : React, React Native, Next.js Tailwind, Express, Node.js, Redux, WebSocket(Socket.io), Shadcn, PWA, MongoDB Aggregation, Mongoose, AMP, Prisma, Swagger

**Database** : MongoDB, PostgreSQL

**Tools** : Docker, AWS EC2, AWS SES, AWS SNS, AWS S3, AWS CloudFront, Git, GitHub, Postman, CI/CD, Node, Vite

**Soft skills** : Leadership, Teamwork & Collaboration, Problem-solving, Fast Learner, Self-Motivation

## Experience

### Zerror studios

March 2025 – Present

FullStack developer

- Developed a **SaaS role-based CMS with MERN stack** to manage 1,000+ blog entries efficiently.
- Improved page load time by 60% using **Redis caching**. Enabled 99.9% reliable async processing with **messaging queues**.
- Scaled features via **microservices** architecture.
- Boosted organic traffic by 40% using SEO-optimized **Next.js** and **AMP pages** with infinite scroll.

### Medorn Ventures Pvt. Ltd.

June 2024 – March 2025

FullStack developer

- Spearheaded **SaaS** based HRMS application creation with **MERN stack** and **React Native**, enhancing team productivity by 35 %.
- Built **microservices** and **multi-tenant architecture**, reducing downtime by 40%, and infrastructure costs by 30%.
- Integrated **AWS SES**, **AWS SNS**, and **2Factor services**, improving communication reliability by 20 %.
- Applied **MongoDB aggregation** and **transactions**, enhancing database performance by 25%.
- Established **CI/CD pipelines**, reducing deployment time by 40%.

### Tech Incept

Sept 2023 – May 2024

Full-Stack Intern

- Developed and maintained **E-commerce**, **Loan Management CRM**, and **Lottery websites** platforms with MERN stack and **Next.js**.
- Incorporated **Google OAuth**, **Twilio**, and **Google Mail**, improving user authentication and communication by 25%.
- Ensured data integrity with **MongoDB transactions**, maintaining 99.9% consistency.
- Oversaw **server configurations** and deployments, leading to a 20% performance gain.
- Provided MERN stack training to **50+ students**, elevating their proficiency in full-stack technologies.

## Projects

### Shiksha Setu ( MongoDB, Express.js, React, Node.js, Tailwind CSS, Docker)

- Built a **SaaS-based multi-tenant School ERP** using MERN stack and **hybrid MongoDB**, supporting 20+ clients.
- Created an **event-driven Node.js service class** for dynamic database routing. Delivered 10+ core modules with **secure role-based access**.
- Enabled **white-labeled deployments** via CI/CD and **containerization**.
- Improved email delivery reliability by 35% using **message queues**.

### College 360

- Built a full-stack web application with 4 user roles and implemented secure **role-based access** for **data entry and approvals**.
- Architected **advanced Mongoose schemas** and employed **AWS SDK Client** for image handling.
- Focused on backend development, ensuring efficient **data handling** and seamless **API integration**.

### Accounting-web-and-mobile-application

- Developed a **web and mobile application (MERN & React Native)** for account management with roles: Super Administrator, Companies and Employees.
- **Super Admin** creates companies, which manage employees with specific data access.
- Configured communication via **Gmail** and enabled direct **balance sheet uploads** to **Google Drive**.
- Designed session-based login tracking and **auto-logout** for inactive users after 10 minutes.
- Integrated password-protected hidden vaults in the company panel, utilizing **MongoDB aggregation and transactions**.

## Extracurricular Activities

- Solved **300+ Problems** platforms like LeetCode, HackerRank, and GFG.