

GOPAL KUMAR

Delhi, India

+91 7319968619 contact@rgopal@gmail.com linkedin.com/in/rgopal7 github.com/kumar-rgopal

Education

IES College of Technology

Bachelor of Technology in Computer Science (CGPA: 7.77)

Aug 2020 - Jun 2024

Bhopal, MP

Experience

Backend Engineer — AiHumanisers

Mar 2025 - Present

Remote

- Built AI detection pipeline (**99% accuracy**) and integrated **Mistral API** for text humanization (**99.5% accuracy**).
- Designed and implemented scalable **REST** and **GraphQL APIs** using **Django + DRF** for production workloads.
- Dockerized frontend/backend and deployed via **AWS ECS + ECR (Fargate)**.
- Configured custom domain with DNS routing and secured server using **SSH** and **SSL certificates**.
- Integrated **Nginx** as a reverse proxy with HTTPS to serve backend application under a production domain.
- configured CI/CD pipelines using **GitHub Actions**.

Backend Developer (Freelance)

Sep 2024 - Feb 2025

Remote

- Developed scalable backend systems using **TypeScript, Node.js, Express.js, and MongoDB**.
- Optimized API caching with **Redis**, reducing average response time from 200 ms to 100 ms.
- Implemented rate limiting, handling 500 requests/min.
- Implemented and optimized **CI/CD pipelines**, reducing deployment time by **40%** and automating testing.
- Integrated APIs with frontend teams, improving system efficiency and reducing development time by **30%**.

Projects

ChatHive | MERN Stack, Socket.io | GitHub

Dec 2024

- Developed a real-time chat app handling ****10K+ messages/day**** with ****~50ms latency****.
- Integrated **Socket.io** for real-time communication, reducing message delay by ****80%****.
- Implemented JWT authentication and role-based access control, securing ****5K+ active users****.
- Designed a responsive UI with **Daisy UI**, achieving ****98% user satisfaction****.
- Optimized database queries, supporting ****1K+ concurrent users**** with seamless scalability.

Technical Skills

Languages: C, C++, JavaScript (ES6+), TypeScript, Python

Backend: Node.js, Express.js, NestJS, Fastify, Hono, Bun, REST API, GraphQL, WebSockets

Databases: SQL (PostgreSQL, MySQL), NoSQL (MongoDB, Redis), Prisma, Sequelize, TypeORM

Auth & Security: JWT, OAuth, Passport.js, OWASP, Rate Limiting, CSRF, CORS

DevOps & Cloud: Docker, GitHub Actions, Jenkins, AWS (Lambda, S3, EC2,ECS), Cloudinary, Nginx

Monitoring & Observability: Prometheus, Grafana

Caching & Messaging: Redis, Kafka, RabbitMQ, BullMQ, Load Balancing

Testing: Jest, Mocha, Chai, Supertest, Postman

Frontend: React.js, Zustand, Tailwind CSS, Bootstrap

Achievements

- * Secured AIR 142 in Codethon'22 by NIT Bhopal, competing with over 20,000 participants.
- * Placed in the top **32%** globally on **LeetCode**, with a peak rating of **1493**.
- * Won **1st place** in college on **InterviewBit**, demonstrating exceptional problem-solving abilities.
- * Achieved university rank **07** and finished in the top **10** on **GeeksforGeeks**.
- * Reached a highest rating of **1411** on **CodeChef**, excelling in global coding competitions.
- * Claimed **AIR 127** and Global Rank **1037** in CodeChef March Lunchtime (Div. 4).
- * Placed **AIR 304** and Global Rank **2,030** in **LeetCode** Weekly Contest 359.
- * Achieved **AIR 41** and Global Rank **524** in **LeetCode** Weekly Contest 324.
- * Earned a **5*** rating on **HackerRank** for solving advanced data structure problems in **C++**.
- * Completed over **1,000** problems in data structures and algorithms across various coding platforms.