Hirdesh Khandelwal

7252995449 | Agra, India | hirdeshkhandelwal58@gmail.com

PORTFOLIO | LINKEDIN | LEETCODE | GEEKSFORGEEKS | GITHUB

SUMMARY

Full Stack Developer specializing in **backend engineering,** with hands-on experience building **scalable, high-performance** applications using **Node.js, TypeScript, PostgreSQL and Microservices architecture.** Proficient in deploying applications on **AWS and GCP,** integrating **CI/CD pipelines,** and optimizing **API performance.**

EDUCATION

Dr. A. P. J. Abdul Kalam Technical University   **Lucknow, Uttar Pradesh**
B. Tech in Computer Science and Engineering (CGPA: 8.0/10.0)   *2021 – 2025*

SKILLS

Programming Languages: C, C++, JavaScript, TypeScript, Python, Java, Dart.

Databases & Storage: SQL, MySQL, PostgreSQL, MongoDB, Redis (Caching).

Frameworks & Libraries: Node.js (Primary), React.js, Next.js, Flutter, TailwindCss, Bootstrap.

Version Control & DevOps: Git and GitHub, Docker, Nginx.

Cloud Platforms: AWS, Google Cloud Platform (GCP), Firebase, Supabase, Appwrite.

Core Concepts: Rest APIs, CI/CD, Microservices, Agile Methodology, OAuth, JWT, Message Queue, Containerization.

Course Work: Database Management System, Object-Oriented Programming, Software Engineering, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Artificial Intelligence, Cloud Computing.

WORK EXPERIENCE

Backend Developer – Soinech   **Dec 2024 – May 2025**

- Designed and deployed scalable backend systems using **PostgreSQL, achieving 99.9% uptime** and efficient data handling across high-traffic applications.
- Implemented **Docker-based CI/CD pipelines**, reducing **deployment times by 30%** and **server costs by 50%.**
- Optimized backend performance, leading to **40% faster API responses** and **20% higher throughput.**

PROJECTS

Trimrr – URL Shortener [Link] [GitHub]
Tech stack: *React, Shadcn, Supabase, Tailwind CSS*

- Developed Trimrr, a full-stack URL shortener using **Shadcn UI, Tailwind CSS, and Supabase**, achieving **sub-200ms redirects and managing 10,000+ URLs with 99.95%** resolution success.
- Integrated **user authentication, custom URLs, QR codes, and an analytics dashboard**.
- Composed scalable backend architecture with Supabase ensuring **10,000+ daily operations and 99.9% uptime**.

Mystery Messenger [Link] [GitHub]
Tech stack: *TypeScript, NextJs, Shadcn, MongoDB, Vercel AI SDK and Gemini API*

- Built Mystery Messenger, a full-stack anonymous messaging app using **Next.js, Shadcn, and MongoDB, supporting 1,500+ users** with secure, end-to-end message delivery.
- Integrated **Vercel AI SDK and Gemini API** for message suggestions.
- Developed a **CRUD-enabled user dashboard** to enhance **privacy, control, and user engagement by 30%.**

Chatting Hub [Link] [GitHub]
Tech stack: *ReactJS, NodeJS, ExpressJS, MongoDB, Socket.IO*

- Engineered Chatting Hub, a full-stack real-time chat app using **React, Node.js, and MongoDB**, supporting **500+ concurrent users and 50,000+** daily messages.
- Implemented **secure auth, group messaging (up to 100 users) and Socket.IO for <100ms latency**.
- Designed RESTful APIs with **<200ms response time** for smooth UX.