

# Surendra Kumar Patel

✉ [asurendrakumarpatel@gmail.com](mailto:asurendrakumarpatel@gmail.com) | 📞 9044419135  
🐙 [github.com/surendrakumarpatel](https://github.com/surendrakumarpatel) | 🔗 [linkedin.com/in/surendrakumar143](https://www.linkedin.com/in/surendrakumar143)

## Skills

**Languages:** C/C++, Java, JavaScript, TypeScript, MongoDB

**Technologies & Tools:** AWS, EC2, S3, Lambda, Elasticsearch, Kubernetes, Docker, Git & Github, Postman, ReactJS, Redux, ZOD NodeJS, Redis, ExpressJS, NextJS, Prisma ORM

## Work Experience

**KPIT, Pune**

Jan 2024 - Present

### Associate Software Engineer

- Designed and deployed scalable microservices using Node.js, ExpressJS, and MongoDB, which improved response times by 40%. Designed and deployed scalable microservices using Node.js, ExpressJS, and MongoDB, which improved response times by 40%.
- Utilized Docker and AWS to deploy applications, ensuring seamless scalability.
- AWS, EC2, S3, ECS, Redis, PostgreSQL, Kubernetes, Docker

**CareerBanao, WFH**

Sept 2021 - Mar 2022

### Software Development Engineer

- Developed a complete website using React.js, leading to a 15% increase in page speed and a smoother user experience.
- Integrated RESTful APIs and optimized front-end performance, reducing load times by 30%.
- Javascript, TypeScript, NodeJS, ExpressJS, Redis, MySQL, Docker, AWS.

## Education

**LPU, Jalandhar Punjab**

Aug 2020 - July 2024

B.Tech in Computer Science and Engineering

**CGPA: 7.56/10**

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Cyber Security, Penetration Testing, Cross Site Scripting, Vulnerability, SQL Injection, Phishing Attack, FullStack Web Development

## Project Work

- **Food Restaurant Application (2024):** Developed a restaurant web app with features like admin registration and order management. Tools: Next.js, React.js, Redux Toolkit, TypeScript, MongoDB. Its features and functionality, such as menu management, user browsing, real-time order tracking, payment integration, and responsive design.
- **Alternative-Routes in Road Networks (2023):** Applied Dijkstra's shortest path algorithm to find the route which takes the shortest time to travel from source to destination in a given road network with randomly generated traffic.
- **Job Portal (2024):** Created a job portal that allows job applications and recruiter shortlisting. Tools: React.js, Node.js, MongoDB, Tailwind CSS. Functionality and features, including profile creation, resume uploading, recruiter tools, and advanced search capabilities.

## Awards and Certificates

- **YouTube Content Creator:** Launched Patel Mernstack YouTube channel, reaching 23k+ subscribers and generating 1M+ views across tutorials.
- **High Engagement:** One video exceeded 270,000 views.
- **Freelance Experience:** Completed multiple projects for clients in the USA.
- **Collaboration:** Worked with a Google Software Engineer on a tutorial series.
- **Helping Students:** Assisted over 10,000 students through detailed coding tutorials, Q&A sessions, and live coding events, fostering a thriving community of aspiring developers.
- **KPIT Genesis Certificate:** Recognized for outstanding contributions during the KPIT Genesis program.
- **Web Development Course:** Completed an advanced web development course on Udemy, strengthening expertise in modern web technologies.