

# TUSHAR MALAV

Mohali, Punjab

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## PROFESSIONAL SUMMARY

Detailed-oriented **Full Stack Developer** and Final Year B.Tech CSE student with a focus on building scalable web applications. Proficient in the **MERN stack (MongoDB, Express.js, React, Node.js)** and **C++**. Demonstrated ability to architect RESTful APIs and responsive front-end interfaces. Passionate about solving complex algorithmic challenges and optimizing web performance.

## TECHNICAL SKILLS

- Languages:** C++, JavaScript (ES6+), HTML5, CSS3
- Frontend:** React.js, Tailwind CSS
- Backend:** Node.js, Express.js, RESTful APIs, JWT Authentication
- Databases:** MongoDB, MySQL
- Tools/DevOps:** Git, GitHub, VS Code, Postman, Vercel/Netlify Deployment

## TECHNICAL PROJECTS

### E-Commerce Full-Stack Application | *React.js, Node.js, Express.js, MongoDB*

- Engineered** a full-featured e-commerce platform with secure user authentication and product cataloging.
- Developed** REST APIs to handle CRUD operations, reducing data processing time through optimized MongoDB schemas.
- Integrated** state management using React Hooks to provide a seamless, single-page application (SPA) experience.

### Task Management API | *Node.js, Express.js, MongoDB, Postman*

- Architected** a robust backend system using Node.js to manage user tasks with 99.9% API reliability in testing.
- Implemented** specialized middleware for error handling and data validation using JSON-standardized responses.
- Utilized** environment variables and best practices to secure sensitive API endpoints.

### Professional Portfolio Website | *React.js, CSS3, Git*

- Designed** and deployed a responsive portfolio to showcase technical proficiency and project milestones.
- Improved** page load speed by 30% through image optimization and clean, modular CSS architecture.

## PROFESSIONAL TRAINING

### Full Stack Web Development Trainee

May 2024 – July 2024

*ThinkNEXT Technologies, Mohali*

- Collaborated on building interactive UIs and mastered the integration of React components with backend services.
- Gained hands-on experience in the software development life cycle (SDLC) and version control using Git.

## EDUCATION

### Bachelor of Technology in Computer Science Engineering

2022 – 2026

*Chandigarh Group of Colleges, Landran*

CGPA: 7.5

### Intermediate (CBSE)

2021 – 2022

*Ruby Children School, Kota*

74%

### Matriculation (CBSE)

2019 – 2020

*B.S.N. Academy, Kota*

76%

## CERTIFICATIONS & ACHIEVEMENTS

- Full Stack Web Development** — Coursera
- Database Management Systems (DBMS)** — NPTEL

## ACTIVITIES & INTERESTS

- Participated in college-level technical and coding events.
- Interest in problem solving, web technologies, and learning new frameworks.