# TUSHAR SHUKLA

Prayagraj, Uttar Pradesh, India

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github.com/tusharshukla2004  </> leetcode.com/u/user4660Vw

## Career Objective

Eager to apply my problem-solving skills, MERN stack expertise, and passion for technology as a Full Stack Developer in an organization, contributing to innovative projects while continuously learning and growing as a professional.

## Education

**United College of Engineering and Research, Prayagraj**                              **2022 – Present**
Bachelor of Technology in Computer Science and Engineering
CGPA: 7.6

**Jwala Devi Saraswati Vidya Mandir Inter College, UP Board**                              **2021**
12th Standard — 88.8%

## Internship

**Full Stack Developer Intern**                              **June 2025 – Present**
ZenExim Pvt Ltd, Ahmedabad

- Developed and enhanced MERN stack applications, improving UI/UX with React and backend APIs with Node.js and Express.js.
- Integrated MongoDB for scalable data storage and implemented RESTful API endpoints.
- Worked on a Dijkstra-based shortest path visualization project, implementing multiple shortest path detection and interactive graph visualization features.

## Projects

**Expense Tracker**                              *MERN Stack*

- Developed a full-stack expense tracking app with CRUD functionalities.
- Built RESTful APIs with Node.js and Express.js, integrated MongoDB, and created a responsive React frontend.
- Enabled real-time balance updates using Axios.

**Shortest Path Visualizer**                              *MERN Stack, React Flow, Dijkstra Algorithm*

- Built a full-stack app to visualize shortest paths on user-defined directed/undirected graphs.
- Implemented multiple shortest path detection using Dijkstra's algorithm with colored path visualization.
- Added JSON graph input, dynamic start/end node selection.

## Technical Skills

**Languages:** C, C++, Python, JavaScript
**Frontend:** HTML, CSS, React.js
**Backend:** Node.js, Express.js
**Databases:** MySQL, MongoDB
**Core Concepts:** DSA, DBMS, OOPs
**Tools:** Git, GitHub, VS Code

## Soft Skills

Strong Problem-Solving, Communication Skills, Adaptability, Time Management