

SHLOK PATEL

Ahmedabad, Gujarat, India

 Ahmedabad  GitHub  LinkedIn  Portfolio

PROFESSIONAL SUMMARY

Full-stack developer and engineering student at LJJET with hands-on experience building scalable web applications and AI-powered solutions. Skilled in React.js, Next.js, Python (FastAPI/Flask), and Java development. Strong foundation in data structures, backend systems, and responsive UI design. Passionate about building high-performance applications and solving real-world problems through software and AI integration.

TECHNICAL SKILLS

React.js	Next.js	JavaScript (ES6+)	HTML5 & CSS3
Tailwind CSS	Bootstrap	Python (FastAPI, Flask)	Java & JavaFX
REST API Development	SQL & SQLite	Vector Databases	
Data Structures & Algorithms	AI API Integration	Git & GitHub	

CORE COMPETENCIES

Full-Stack Development • REST API Design • Database Management • Object-Oriented Programming • Responsive Web Design • Debugging & Optimization • System Design Fundamentals • Problem Solving

PROJECTS

MediBot – Medical AI Assistant

- Developed an AI-powered medical assistant with an intuitive frontend and robust backend architecture.

- Integrated vector databases for medical knowledge retrieval and contextual responses.
- Built REST APIs using Python to ensure fast and reliable data processing.
- Designed responsive UI for seamless user interaction and accessibility.

NeonPulse – Desktop Music Player

- Designed and developed a JavaFX-based desktop music player with secure user authentication.
- Implemented playlist management using SQLite database integration.
- Applied custom CSS styling to create a modern and responsive user interface.
- Packaged and deployed the application as a standalone executable.

CERTIFICATIONS

Introduction to HTML, CSS, & JavaScript — IBM (Dec 2025)

Inheritance and Data Structures in Java — University of Pennsylvania (July 2025)

Introduction to Java — LearnQuest (Jan 2025)

EDUCATION

Bachelor of Engineering

L.J. Institute of Engineering & Technology, Ahmedabad

BS in Data Science (Online)

IIT Madras (Pursuing)

ADDITIONAL INFORMATION

Languages: English, Hindi, Gujarati

Strengths: Problem Solving, UI/UX Thinking, Software Architecture, AI Integration

Interests: Web Development, Data Science, Artificial Intelligence