Rajan Yadav

rajanvimla27@gmail.com| +91 8756118198 | LinkedIn - RajanYadav

EDUCATION

LOVELY PROFESSIONAL UNIVERSITY
B.Tech in Computer Science
Grad. July 2026 | Phagwara, Punjab

LBS SCHOOL
PCM with Physical Education
Grad. 2021 | Cum. Per: 73.5

COURSEWORK

UNDERGRADUATE
Object Oriented Programming Analysis and Design and Algorithm
Introduction to Programming
Data Structures
R-DBMS
Operating System
Computer Network

SKILLS

PROGRAMMING
Languages:
Advance: Java, C++
Intermediate: JavaScript(ES6+)
Data Structure, Python

WEB & FRONTEND DEVELOPMENT
React.js, Next.js, HTML5, CSS, Tailwind, Responsive Design
DOM Manipulation, RESTful APIs
UI/UX Principles, Modular Components

WEB & BACKEND DEVELOPMENT
Node.js, Express.js, API Integration
MVC Architecture, REST APIs
Server-Side Rendering
Authentication & Authorization
Session Management, Multithreading

DATABASES CLOUD TECHNOLOGIES
Amazon Web Services, MongoDB, Firebase, SQL, Data Caching

EXPERIENCE

TECHVANTO ACADEMY | Java Trainee
June 2024 - Aug 2024 | NewDelhi, IND
- Architected real-time appointment booking and doctor availability features,enhancing patient engagement and system usability by **20%**
- Optimized backend using Java (JDBC, Collections, Multithreading), improving system logic and efficiency by **40%** for scalable performance.
- Incorporate continuous user feedback, iterating features to align product with needs and enhance quality in an agile environment.

PROJECTS

AVIORA |Link
March 2025 - July 2025

- Created an AI Voice Assistant using VAPI AI and Nova Model to deliver accurate,contextual, real-time voice responses, handling 500+ queries.
- Integrated Web socket to enable seamless bidirectional real-time communication between user and assistant without page reloads.
- Achieved **10%** performance optimization in comparison to similar AI voice-based websites through code and infrastructure tuning.
- Designed a lightweight, responsive, and minimalistic UI using Next.js, Typescript, and Tailwind CSS for a better user experience, reducing load time by **15%**.
- Contextual AI responses crafted based on dynamic user input using prompt chaining and smart session handling logic, boosting relevance accuracy by **20%**.

HALOTALK |Link
March 2025 - July 2025

- Built a language-exchange social platform with a custom friend-suggestion algorithm that connects users through shared native/learning languages, featuring interactive profiles with auto-generated avatars and bios.
- Implemented advanced real-time communication features — chat, video calls with emojis, screen sharing, and session recording — using Stream API, React, Node.js, and MongoDB, while backend optimizations boosted performance by **10%**.

ACHIEVEMENTS

- Smart India Hackathon – Runner-Up,2024
- Solved **700+** coding problems on LeetCode, Geeks for Geeks, and Interview Bit platforms.
- Ranked Top 20 on InterviewBit in University

CERTIFICATION

- AWS – Solutions Architecture Job Simulation, Forage - 2025
- Cloud Computing – NPTEL | 2025
- Mastering DSA in C/C++ – Udemy | 2024