KESHAV NAGAR

[LinkedIn](#) — [GitHub](#)

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EDUCATION

B.Tech CSE (AIML), UPES Dehradun — CGPA: 7.1	2022–2026
Class XII (CBSE), MPS Kota — 81.6%	2022
Class X (CBSE), MPS Kota — 78%	2020

SKILLS

Languages	Java, Python, SQL, HTML, CSS, JavaScript
Full-Stack	React.js, Node.js, Express.js, MySQL, MongoDB
CS Fundamentals	Data Structures, Algorithms, OS, OOP, DBMS, Networks
AI/ML	LLMs (Gemini), Retrieval-Augmented Generation (RAG), Fine-tuning
Cloud	AWS, Google Cloud Platform (GCP), Microsoft Azure
Tools	Git, Redis, Docker

WORK EXPERIENCE

Summer Intern – Artificial Intelligence (Project: Medicine Recommendation System) [Project Link](#)
IBM (Remote)

· Developed an SVC-based Medicine Recommendation System capable of predicting 40+ diseases from 132 binary-encoded symptoms.
· Trained and evaluated 5 machine learning models and selected the highest-accuracy model for real-time disease classification.
· Built a recommendation engine generating personalized medications, diets, workouts, and precautions for 40+ diseases.
· Deployed a Flask web app with a RESTful API delivering real-time predictions under 500ms.

PROJECTS

Real-Time Chat Application (MERN + Redis + Gemini AI) [GitHub](#)

· Built a full-stack real-time chat system using React, Node.js, Express, and MongoDB with a modular and scalable architecture.
· Integrated Gemini AI for smart auto-responses, improving interaction efficiency by 40%.
· Optimized system performance using Redis caching to reduce repeated database lookups, lowering backend load by around 30%.
· Implemented secure authentication, role-based access control, and WebSocket-based messaging (<200ms latency).

Real-Time Ride Booking Platform (MERN + Maps + WebSockets) [GitHub](#)

· Implemented live driver tracking using Google Maps API and Socket.IO with accurate 10-second location updates.
· Secure authentication with JWT and role-based access control (User/Captain), handling 100+ daily logins with reliable session security.
· Optimized backend APIs and MongoDB queries for faster data retrieval, improving system response time by 20%.
· Responsive React UI with smooth animations and instant ride-status updates via WebSockets.

CERTIFICATIONS

Java DSA Certificate — Apna College	[Link](#)
Frontend Development Certificate — OneRoadmap	[Link](#)