

Nitin Kumar

nitinyashvirdagur@gmail.com | +91 7500850578 |

www.linkedin.com/in/nitinkumardagur/ | github.com/nitin-dagur | leetcode.com/u/nitin_dagur_ |

Education

VIT Bhopal University, B.Tech in Computer Science

Sept 2022 – Pursuing

- GPA: 8.78

Skills

Languages: Java, SQL, JavaScript, HTML, CSS

Dev Tools: Git, IntelliJ, AWS, MySQL

Libraries: Java Collections Framework, Pandas, Numpy

Certifications

Java Foundations Associate :An Oracle University Training

2025

Cyber Security Analyst :CECSA1IN, provided by IBMCE

2025

Cloud Computing :IIT KGP,NPTEL

2024

Projects

ChatterBox

- Technologies Used: MongoDB, Express.js, React.js, Node.js, Socket.io, HTML, CSS
- Built a full-stack realtime messaging platform with room-based chat support, enabling users to communicate instantly through WebSocket-based connections using Socket.io.
- Implemented efficient message broadcasting and event-driven updates, reducing message latency to 80 % and ensuring seamless delivery across clients in under 100ms.
- Designed a responsive and intuitive frontend using React.js, achieving a 45% increase in user retention by improving the UI/UX and providing real-time visual feedback for sent/received messages.
- Optimized backend API and database schema to handle concurrent user interactions, supporting over 500+ active users with stable performance and 99.5% uptime.
- Secured user sessions and data flow through Express middleware and backend validation, enhancing overall app security and integrity.

E-commerce Web Application

- Tools: HTML, CSS, JavaScript
- Built a fully responsive and interactive e-commerce front-end application, demonstrating proficiency in modern web development.
- Designed key interface components such as the homepage layout, product category filtering, dynamic search functionality, product detail views, and a streamlined checkout process.
- Implemented JavaScript-powered features including an add-to-cart system with quantity tracking, a cart preview dropdown, and real-time DOM updates for enhanced user interaction.

Extracurricular Activities

- Solved Leetcode 200+ Questions, 5 star in Java in HackerRank
- Leadership Quality, Cleared Airforce, Indian Navy and NDA exam.
- Coordinated and hosted an event focused on Mental Health Wellbeing, aiming to raise awareness, provide support, and promote discussions on mental health challenges and solutions.
- Founding member of Mathematics Association Club (VIT-Bhopal)