

Om Shelke

+91 9021634220 | om.work1513@gmail.com | LinkedIn | GitHub | Portfolio | CodeForces | LeetCode

SUMMARY

I am a Backend Developer with over 2 years of coding experience and currently pursuing a Bachelor's degree in Computer Science at VIT Bhopal University. My expertise lies in designing scalable and secure backend systems using NodeJs, ExpressJs, and MySQL. I have a strong track record of developing both micro-services and monolithic architectures. I have solved over 600 problems in Data Structures and Algorithms across competitive programming platforms. Additionally, I am experienced in managing 5+ collaborative software projects using Git and GitHub version control, collaborating effectively with teams to deliver successful solutions.

EDUCATION

VIT Bhopal University
Bachelor of Technology in Computer Science Engineering

Aug 2022 – May 2026
CGPA: 8.98

TECHNICAL SKILLS

Programming Languages and Frameworks: C++, JavaScript, Python, NodeJs, ExpressJs

Technologies and Tools: Git/GitHub, RESTful APIs, RabbitMQ

Databases and Core Skills: MongoDB, MySQL, DSA, Backend Development, DBMS, OOPS

PROJECTS

AirHaven

Feb 2024 – Jun 2024

Backend Development

NodeJs, ExpressJs, RESTful APIs, MySQL, Sequelize ORM

- Designed a robust microservices architecture comprising 5 services: Flights and Search, Authentication, Booking, Reminder, and API Gateway.
- Optimized database operations with Sequelize ORM, effectively managing 10+ models and relationships.
- Built secure authentication systems using JWT and hashed passwords, supporting 3 roles for advanced access control.
- Developed a scalable backend architecture supporting 10+ core features, including flight booking, reminder management, and advanced search functionalities, utilizing RabbitMQ to resolve email bottlenecks.
- Enhanced inter-service communication with an API Gateway, boosting booking, seat allocation, and notification efficiency across 4 services.

Twitter_C

Mar 2024 – Apr 2024

Backend Development

NodeJs, ExpressJs, MongoDB, Mongoose, JWT

- Built a monolithic backend architecture to support 15+ core features, including tweet creation, liking, and commenting.
- Implemented token-based user authentication using JWT, including features like login, registration, and token refresh for persistent user sessions with a token expiration time of 2 hours.
- Developed scalable data models with Mongoose, incorporating 5 models and enabling efficient CRUD operations.
- Established the MVC architecture, separating concerns across 3 layers to improve code organization and maintainability, enabling the seamless addition of 5+ new features.

COURSEWORK & CERTIFICATIONS

- Data Structures and Algorithms
- Object-Oriented Programming in C++
- Database Management Systems
- The Complete 2024 Web Development Bootcamp by Dr. Angela Yu, Udemy
- C++ Course - Learn the Essentials by Scalar

ACHIEVEMENTS & EXTRACURRICULARS

- Finalist, Deloitte Hacksplosion Hackathon 2025 – Among top 15 teams from 2800+ teams and 11,700+ participants nationwide.
- Solved 600+ coding problems across various platforms and attained a Codeforces rating of 1100+.
- Ranked under 700 in the PW Skills-Contest, 2023.
- Tech Team Member, E-Cell VIT Bhopal – Led a team of 5 to develop the official E-Cell website.
- Top 20 out of 400+ teams in SIH 2024 after clearing 3 internal rounds.