

YOGAYATA VERMA

✉ yogayatajugnu@gmail.com, ☎ +91-7986258542, 📍 Zirakpur, Punjab
🌐 LinkedIn, 📁 Portfolio, 🐙 GitHub, 🏠 LeetCode, 🏆 HackerRank, ★ CodeChef

OBJECTIVE

A Software Developer with 1+ year of experience in web development, AI integration, and system design, specializing in full-stack, microservices, API integration, and databases. Passionate about building scalable solutions and elevating system performance.

PROFESSIONAL SKILLS

Programming	C++, Java, Python, JavaScript, TypeScript, PHP, HTML, CSS, GraphQL
Frameworks	React.js, Node.js, Express.js, Tailwind CSS, Django, Flask
Database	SQL, MySQL, MongoDB, SQLite3
DevOps	Git, Jenkins, Docker, Linux, CI/CD, AWS, S3, Kubernetes
Tools & Libraries	Postman, Swagger, Selenium, Redis, Socket.io, GCP, JWT, Twilio, OpenAI API, PayPal, D3.js, Chart.js, Webhooks

WORK EXPERIENCE

Impinge Solutions

Apr 2024–Present

Software Developer

Mohali, Punjab

- **Convo 🗨️** : Developed and delivered a **scalable real-time chat application** using **Socket.IO** and **Node.js**, supporting **text, multimedia, and group chats**. Leveraged **Redis** for caching frequently accessed data to improve response times. Persisted chat history in MongoDB with compound indexes on **senderId** and **timestamp** for efficient retrieval. Implemented **encryption** for all message payloads and integrated JWT authentication for secure sessions. Collaborated with a cross-functional team to optimize performance and ensure seamless integration across services. Automated deployment pipelines ensured each version was thoroughly tested and consistently delivered across environments.
- **LotteryWheel 🎰** : Developed a **high-performance lottery platform** with **QR code-based entry**, capable of processing **10,000+ scans per minute** during peak loads. Developed store onboarding workflows and interactive dashboards to track participant metrics. Implemented a real-time winner selection and notification system, driving a 35% boost in user participation. Integrated a dashboard for seamless export and tracking of winner and participant data across campaigns.
- **Auto360**: Developed microservices for **Order History** and **Subscription Management** utilizing **Express.js**, **Mongoose**, with Docker containerization. Designed and implemented **exponential backoff retry mechanisms** to handle external API failures gracefully, along with fallback systems serving cached data during outages. Played a key role in improving system reliability, performance optimization, and security enhancements. Helped develop comprehensive Swagger documentation to streamline API onboarding and facilitate testing processes.
- **Regenerator**: Contributed to a **mobile-first Q&A platform**, combining a mobile-centric frontend with a Node.js and Python backend to preprocess, normalize, and index user queries. Integrated **OpenAI's API** to power NLP-based answer generation. Developed a dynamic **real-time analytics dashboard** using D3.js to visualize query trends, dominant intents, and user satisfaction scores. Optimized performance with Redis-based caching to speed up NLP responses. Implemented JWT authentication and session management for secure, personalized user experiences.
- **Vintage Analysis**: Modernized a legacy analytics tool by migrating the backend to the latest **Node.js** and refactoring the UI in **Vite + Shadcn**. Added compound indexes on the MongoDB analytics collection to **cut complex query times by 60%**. Redesigned the dashboard with modular React components for filter panels, charts, and data tables, improving usability scores by 25%. Implemented role-based access to sensitive business insights. Enabled CSV export and print-friendly views to support internal reporting workflows.

EXL Services

Jan 2023–Jul 2023

Decision Analytics Intern

Remote

- Developed rapid **web application prototypes** using React, Node.js, and Express, consuming MySQL-stored data via RESTful APIs. Designed and implemented interactive visualizations with Chart.js and HTML5 Canvas to display key performance metrics (KPIs) such as churn rate and customer lifetime value. Collaborated with stakeholders in weekly sprint reviews; incorporated feedback to refine UI/UX, resulting in a **20% improvement** in dashboard adoption among end users. Implemented modular component design to maximize code reuse and reduce development time. Integrated JWT-based authentication and role-based access control to secure sensitive KPI data.

EDUCATION

Master of Computer Applications, *Thapar Institute of Engineering Technology, Patiala*

2021–2023

CGPA: 8.96

Bachelor of Computer Applications, *Punjab University, Chandigarh*

2018–2021

Percentage: 75%