

Vishal Agrahari

Noida, U.P, India 201301 | v.ag7570@gmail.com | 91 7570882970 | linkedin.com/in/vishal2970

Education

Bundelkhand University

B.Tech in Electronics and Communications Engineering
June 2023 | Jhansi, India

St. Xavier's Sr. Sec. School

Secondry and Sr. Secondary School
April 2017 | Jhansi, India

Skills

Programming

- Java
- TypeScript
- JavaScript

Frameworks & Libraries

- React.js
- Next.js
- Node.js
- Express.js
- Redux

Database Technologies

- MongoDB
- SQL Server

Tools & Services

- AWS Lambda & S3
- Firebase
- Git/GitHub
- VS Code
- IntelliJ

Achievements

- Solved 500+ coding problems on Leetcode, GeeksforGeeks, and various platforms.
- Participated in Smart India Hackathon 2022 and was Runner-up.
- Took part in IIT Madras' Reverse CodingX event.
- Participated in the Shastra X Codechef Programming Competition.

Experience

Data Nova India Pvt. Ltd. | Software Developer

Jan 2024 – Present | Noida, India

- Engineered scalable KPI dashboards and dynamic web reports using the **MERN stack** and **Next.js**, achieving a **15% reduction in data retrieval time** and enhancing real-time decision-making capabilities.
- Automated report and invoice generation workflows by integrating **Chart.js**, **jsPDF**, and **Nodemailer**, resulting in a **40% reduction in manual overhead** and streamlined email delivery.
- Boosted user engagement by **25%** through UI/UX optimization using **React** and **Next.js**, cutting page load times by **2 seconds** and simplifying navigation.
- Developed efficient data integration solutions by managing complex **HTTP requests** with **axios** and **node-fetch**, enabling real-time data fetching and processing of **100,000+ records daily**.
- Secured sensitive data through robust encryption using **crypto**, ensuring compliance with data protection laws and industry best practices.
- Built high-performance file handling features with **adm-zip** and **archiver**, optimizing storage and speeding up large dataset transfers.
- Streamlined file uploads using **Multer**, enabling fast and reliable handling of multipart/form-data.
- Enhanced database performance using **Mongoose** and **MongoDB**, cutting query execution time by **30%** for real-time reporting needs.
- Implemented real-time KPI and report updates via **WebSockets (ws)**, accelerating team collaboration and reducing decision-making latency.

Data Nova India Pvt. Ltd. | Software Developer Intern

July 2023 - Dec 2023 | Noida, India

- Contributed to the development of scalable KPI dashboards and web reporting systems using the **MERN stack** and **Next.js**, gaining hands-on experience in full-stack web development.
- Collaborated with senior developers to integrate third-party APIs (**Chart.js**, **Nodemailer**, **jsPDF**), improving data visualization and automating reporting, resulting in a **40%** increase in data processing efficiency.
- Enhanced application usability by implementing new UI/UX features based on user feedback, contributing to a **25%** increase in user satisfaction.

Projects

SHOPMATE MARKETPLACE Oct 2022

- Built a scalable e-commerce platform using **MERN stack**, **Next.js**, and a serverless backend with **AWS Lambda**, using **S3** for media storage.
- Integrated **Firebase** for authentication and **JWT** with **React Context API** for secure session management.
- Enabled secure payments with **Razorpay** and deployed on **AWS**, achieving **99.9% uptime**.

CAR RENTAL APPLICATION July 2023 – Aug 2023

- Developed a modular **console-based car rental system** using **OOP principles** and the **MVC** pattern, ensuring maintainability and scalability.
- Implemented **unit and integration testing** to ensure functionality and reliability across all modules.