

NISHANT DALAL

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Summary

Motivated backend developer with hands-on experience in building high-volume, scalable applications using **Node.js**, **Express**, and **MongoDB**. Proficient in designing efficient **RESTful APIs**, integrating third-party services, and optimizing database designs. Strong problem-solving skills with experience in version control (**Git/GitHub**). Eager to contribute to the development of mission-critical systems at Trademarkia.

Work Experience

Neugence Technology Pvt. Ltd.

May 2024 - Present

Full Stack Developer

- Collaborated closely with UI designers, project managers, and backend developers on projects to deliver **high-quality, scalable websites**.
- Implemented **REST APIs** using the **Node.js** and **Express.js** framework, facilitating **seamless communication** between front-end and back-end systems, improving system response times by **15%**.
- Conducted regular **testing and debugging**, reducing bug-related downtimes by **20%** and ensuring smooth functionality and optimal user experience.
- Implemented **innovative UI designs** that enhanced **user engagement**, resulting in a **100% increase** in average session duration (from 1.5 minutes to 3 minutes).
- Improved website load times by **10-15%** through performance optimization techniques.

Skills

Programming Languages	Java (Proficient), Kotlin, JavaScript, Python, C, C++, R
Mobile Development	Android(Kotlin)
Database Systems	MySQL, SQL Plus, MongoDB, Firebase
Development	HTML, CSS, Bootstrap, ReactJs, ExpressJs, NodeJs, Java Socket Programming
Certifications	MERN Stack , Android Dev. , Java Sockets , Problem Solving Hacker Rank , Alpha (DSA with Java)
Web Technologies	XML, JSON, HTML/DOM
Version Control	Git

Projects

Ethereum Transaction Tracker([Github](#))

September 2024

- Developed an Ethereum deposit tracker using **Node.js**, **Express**, and **MongoDB** to monitor and log transactions from the Ethereum blockchain via the **Alchemy API** and **ethers.js**.
- Integrated real-time blockchain monitoring by tracking deposits to a specific smart contract address and storing transaction data (block number, sender, receiver, and ETH value) in MongoDB.
- Implemented a **RESTful API** using **Express** to allow manual deposit entry and retrieval of transaction data, including querying by transaction hash.
- Automated **Telegram** alerts for new Ethereum deposits using the **node-telegram-bot-api** package to notify a specified chat on successful transactions.
- Utilized **Winston** for logging errors and application activity, improving debugging and performance tracking in local and production environments.
- Managed environment variables securely using **dotenv** to handle sensitive **API keys** and database credentials.

Room Connect([Github](#),[Deployed](#))

Feb 2024 – April 2024

- Developed a **web application** to manage and share room information for **VIT students** using **React.js** and **Firebase**.
- Implemented a **taxi share feature** to add and fetch taxi details, including **departure and arrival information**, improving student transportation coordination.
- Integrated a **feature** to view different types of **blocks** and their **room pictures**, enhancing **room selection convenience**.
- Enabled **joining of WhatsApp groups** for various subjects and teachers, facilitating **student communication** and collaboration.
- Enhanced **student convenience** and **campus communication** through a streamlined platform, improving overall **user experience**.

MailChamp.Ai([Deployed](#))

Dec 2023 – Feb 2024

- **Developed an automated email solution** with **MailChamp API**, enabling efficient and tailored **email distribution**.
- **Created a dashboard** for comprehensive **campaign analytics**, covering **open rates**, **click-through rates**, and **engagement metrics**.
- **Leveraged Node.js** for **backend development**, employing algorithms to extract **actionable campaign insights**.
- **Utilized React** and **Bootstrap** for dynamic, interactive, and visually appealing **front-end development**.
- **Managed user data** and **campaign metrics** using **MongoDB**, optimizing **data organization** and **retrieval**.

School Management System([GitHub](#),[Deployed](#))

Aug 2023 – Dec 2023

- **Designed and developed** a comprehensive School Management System using the **MERN stack** to facilitate seamless communication between faculty, administrators, and students for academic management.
- **Streamlined academic processes** by incorporating features such as **mark entry**, **timetable management**, and **study material distribution**, improving workflow efficiency and reducing manual administrative tasks.
- **Implemented Firebase** for **user authentication** and **file storage**, ensuring **secure role-based access** to resources.
- **Leveraged MongoDB** for data storage, enabling **efficient retrieval** and management of academic records and materials in a **scalable** way.
- **Enhanced frontend usability** with **Redux** and **React.js**, providing a clean and intuitive interface, improving **user experience** during testing and development.
- **Implemented backend functionality** using **Express** and **Node.js** to ensure smooth and efficient **data flow** between frontend and backend components.

Education

Vellore Institute of Technology Vellore

2021-Expected 2025

B.Tech in Computer Science & Engineering: CGPA 8.74