

# VINAY KUMAR

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## EDUCATION

**Indian Institute of Information Technology(IIT) Bhopal**

December 2021 - Present

B.Tech in Information Technology

CGPA: 8.89

## WORK EXPERIENCE

**Intern** — *MERN*

April 2023 - May 2023

Metaverse Ventures Pvt Ltd

*Remote-Intern*

- Engineered **dynamic and captivating frontend designs** for webplatforms to orchestrate a seamless user experience.
- Optimized **data management** by integrating **robust backend solutions** , enhancing efficiency and precision.
- Identified and rectified bugs, to ensure **uninterrupted functionality** and boosting response time by **80%**

## PROJECTS

**EasyShop** — *ReactJS , Redux , NodeJS , MongoDB*

[Github](#)

- Engineered a **Realtime E-Commerce** platform that surpassed competitors and set new industry benchmarks
- Executed **MongoDB** to fortify user and admin data storage, achieving exceptional data redundancy, reliability, and a remarkable **70%** success rate for data integrity
- Utilized **ReactJS v18.2** with **Redux** to create a user-friendly and efficient front-end for enhanced shopping interfaces.Used **NodeJs** for the Backend, ensuring a seamless shopping experience
- Integrated **Stripe v12** and **JWT** for robust and secure payment processing, guaranteeing top-notch security for all transactions

**Social Media Backend** — *JavaScript, NodeJS, ExpressJS, MongoDB, Bcrypt*

[Github](#)

- Developed a comprehensive social media platform **Backend** with **modern tools**
- Implemented **following functionality** to connect users and **Bcrypt v5** is used for password **Hashing**.
- Created a high-performance **RESTful** Backend application with Node.js, Express.js, and MongoDB, resulting in a **90%** reduction in data retrieval and processing time.
- Evaluated and reinforced **HTTP-CRUD** operations using **Express v4** to revamp the application's functionality

**ConnectCare** — *Python , Django , Dbsqlite , HTML, CSS*

[Github](#)

- Delivered a high-performance Hospital management application using **Django v4 and SQL**, Reduced appointment scheduling time for patients and improved doctors' access to critical medical information
- Empowered admin users with advanced capabilities to approve new registrations, resulting in a **40%** decrease in registration processing time. Additionally, the integration of comprehensive discharge summaries and online billing reduced administrative workload by **50%**
- Implemented **JWT** for ironclad authentication, ensuring secure access to sensitive data and achieving a perfect **100%** security rating in application audits
- Deployed Django for **streamlined functionality** built with **SQL v2022** for secure data storage reduction in data processing and retrieval time

## SKILLS

**Language:** JavaScript, C++ , C , Python, HTML, CSS

**Frontend Frameworks :** React.js, Redux

**Backend Frameworks :** Node.js, Python Django

**Libraries:** Material UI, Redux, React Router, Bootstrap

**Databases:** MongoDB, SQL

**Dev Tools:** Visual Studio Code, Git, GitHub

## ACHIEVEMENTS

- Ranked as **1st** team in a National Level Hackathon for the Google Solution Challenge **Ideathon-GDSC**
- Got the **49th** position in a coding competition CodeRush by **AlgoUniversity**