Krupal Lad

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With a dedication to continuous learning and improvement, I always seek to expand my computer science knowledge and stay up-to-date with the latest trends and technologies in the field.

EDUCATION

M. Tech in Computer Science and Engineering, *Nirma University* Jul 2023 – May 2025
- CGPA: 7.6
- **Relevant Coursework** - Advance Database Systems, Advance Computer Networks, Cloud Computing, Blockchain Technology, Applied Machine Learning

B.E in Computer Engineering, *Gujarat Technological University* Jul 2018 – May 2025
- CGPA: 9.02
- **Relevant Coursework** - Object Oriented Programming, Data Structures and Algorithms, Fundamentals of Database System, Operating Systems, Information Security

PROFESSIONAL EXPERIENCE

Obvious Technology Inc., *Software Engineer* Jul 2022 – May 2023
Vadodara, India
- Developed **CRUD REST APIs** for every feature using **Hibernate ORM,** enhancing healthcare automation systems for the US and Canada.
- Executed **SQL queries** for efficient data extraction and manipulation.
- Utilized **.NET** to implement **MVC architecture** for UI development.
- Spearheaded the establishment of a **structured classification folder** for machine learning model training.
- Proactively **debugged** & **diagnosed software defects**, to maintain smooth operation, and optimal performance considering **security measurement**.
- Enhanced **high-quality, code-optimization, manageable code,** following best practices, and adhering to quality standards in software development.

Logicwind, *ReactJS Intern* Jan 2022 – Jun 2022
Surat, India
- Skilled in **Advanced JavaScript concepts (ES6), GraphQL.**
- Developed a web application encompassing frontend development skills such as **HTML, CSS, Javascript, React, GraphQL, and Git**
- Proficient in designing components utilizing libraries such as **ant-design, styled-components.**
- Created an app distribution platform for testers, developers, and owners, that bolstered the **in-house team by a minimum of 60%**.

PROJECTS

Efficient Federated Learning for Traffic Signals, *Python, Scikit-learn, SNN, YOLO* Jan 2024 – present
- Development of **high-accuracy, adaptability** traffic sign recognition Networks for Autonomous Vehicle navigation.

Expense Tracker, *MongoDB, ExpressJS, ReactJS, NodeJS*
- Developed a web application using **MERN** that lets users to keep track of their day-to-day expenses. Implement **authentication and authorization** using **JSON Web Tokens (JWT)**
- Utilized **MongoDB** as a database of the system and update it when the user adds their expense records with details.

SKILLS

Programming (Java, Javascript, HTML, CSS, Python (Basics), C/C++)

Software Engineering (SQL, MySQL, MongoDB, React.js, Node.js)

Tools and Systems (Excel, Git, Version control, Wireshark, AWS, Nmap, Github, S3, EC2, Postman, JIRA)

Soft Skills (Logical & Critical Thinking, Problem-Solving, Team Player, Organised, Adaptability)