

# RISHI JHA

Bhopal, Madhya Pradesh

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LeetCode

## EDUCATION

### Maulana Azad National Institute Of Technology

Master Of Computer Application

2023 – 2026

Bhopal, Madhya Pradesh

### Lalit Narayan Mishra College Of Business Management

Bachelor Of Computer Application

2020 – 2023

Muzaffarpur, Bihar

### B.C.B.D. College

XII-(PCM), Bihar School Examination Board

2019 – 2020

Muzaffarpur, Bihar

### St. Joseph's Senior Secondary School

X, CBSE Board

2017 - 2018

Muzaffarpur, Bihar

## PROJECTS

### E Learning Platform | React, Redux, Tailwind CSS, Node.js, Express.js, MongoDB

2024

- Developed the frontend using **React.js**, **Redux Toolkit**, **Tailwind CSS**, and **React Router**, creating a responsive, single-page application with seamless navigation and dynamic UI updates.
- Built the backend using **Node.js**, **Express.js**, and **MongoDB**, implementing RESTful APIs, authentication, secure routing, and database operations using Mongoose ORM(Object-Relational Mapping).
- Implemented secure user **authentication** and role-based **authorization** using **JWT**, secured by **bcrypt** and **jsonwebtoken**, and Express middleware, supporting Student, Instructor, and Admin access levels.
- Integrated **Razorpay** for seamless course purchases with real-time payment verification on the backend.
- Configured transactional emails using **Nodemailer** and **Mailtrap SMTP service**.
- Features include Signup, Login, Role-Based Access, Purchase System, Progress Tracking, Rating and Reviews, and Email Notifications.

### Stock Price Prediction | Python, Scikit-learn, TensorFlow and Keras, LSTM

2024

- Developed a stock price forecasting model using **LSTM networks** built with **Keras (TensorFlow backend)**, leveraging historical time-series data to predict future price movements with improved accuracy.
- Implemented data preprocessing, normalization, and visualization using **Pandas**, **NumPy**, and **Matplotlib**, ensuring clean and well-scaled input for the deep learning model.
- Trained and evaluated an LSTM-based time series model using real-world stock data from the Yahoo Finance API, achieving accurate trend predictions with a high **R<sup>2</sup> score of 0.94**. Effectively visualized performance metrics and prediction trends in Jupyter Notebook.

### Portfolio-Website | React.js, TypeScript, Vite, Tailwind CSS

2025

- Developed a fully responsive personal portfolio website for showcasing **3+ personal projects** and skills.
- Integrated interactive UI components such as dynamic navigation, social media links, and resume download using modern frontend libraries and tools.
- Designed and deployed the portfolio for networking and job outreach, serving as a digital identity to connect with recruiters and the developer community.

## TECHNICAL SKILLS

**Programming Languages:** C, Java, Python, JavaScript, SQL.

**Web Technologies/Frameworks:** Node.js, Express.js, React.js, Redux, Tailwind CSS.

**Database Systems:** MongoDB, MySQL.

**Developer Tools/DevOps:** VS Code, Postman, Git, GitHub.

**Libraries:** Numpy, Matplotlib, Seaborn, Pandas.

**Cloud Technologies:** AWS (EC2).

**Specialized Area:** Data Structures and Algorithms, Problem Solving, Object Oriented Programming, Database Management System, (Basic)Computer Networking, Operating Systems.

## GENERAL SKILLS

- Leadership
- Organizational Skills
- Team Collaboration
- Active Listener

## EXTRACURRICULAR/ACHIEVEMENTS

- Achieved National Rank 374 in NIMCET 23.
- Solved **250+** Questions On Coding Platforms.
- Organized and Managed** a large-scale event for freshers with **200+ attendees**, overseeing **3 logistics teams**, from planning to execution, ensuring a smooth and successful event.
- Languages Known:** English, Hindi