# Rishab Shailesh Thakur

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Passionate Associate Software Developer with 1 year of experience specializing in developing web applications and robust backend systems. Equipped with a solid foundation in the MERN stack, I excel in crafting efficient, scalable, and user-focused solutions that drive exceptional results.

## WORK EXPERIENCE

Envision Financial Systems and Co.
Bengaluru, Karnataka
Full Time, Associate Software Developer                                                                 *July 2023 – Present*

- Performed SQL, PL\SQL and application tuning using multiple tasks, trace and Auto trace.
- Simplified 50+ complex queries involving multiple tables, optimizing procedures and triggers in production. I wrote over 100 complex stored procedures to extract data from 30+ tables into CSV format, providing extracts to all company businesses and 1,000+ users.
- Gained exposure to work and constructed 15+ banking sector models, incorporating 40+ logical operations into programming. Gathered all necessary departmental requirements from 20+ business analyst teams, designing and developing database schema and 100+ database objects.
- Executed many database projects for one of the company's largest clients with on time delivery of the product.
- Designed a SQL-based record-keeping app for a mutual funds company, refining data security by 30%. Collaborated with 5+ teams to enhance usability and meet client expectations.
- Successfully delivered 10+ database projects, meeting 100% project deadlines and achieving a 98% client satisfaction rate

## PROJECTS

### Record Keeping software, banking sector

- Introduced multithreading to 10+ DBs preventing the latency to fetch the user data and up scaling the load balancing using caching and multithreading.
- Reduced data redundancy by 45% by introducing normalization, ensuring data integrity and rationalizing query performance.
- Streamlined database architecture to handle microservices, handled operation like indexing and query optimization, improving the execution by 30%.

### Integrated Mutual Fund website | React, NodeJs, JavaScript

- Implemented Google Oauth for authenticating 1000+ real time users using JWT tokens and session tokens.
- Integrated password-protected login using bcrypt library and hashing passwords for enhanced data security and confidentiality, meeting regulatory requirements and earning positive feedback from clients.
- Formulated dynamic, customizable pagination APIs using Node.Js and MongoDB ensuring seamless scalability.

## TECHNICAL SKILLS

- **Strongest Area:** Data structures and Algorithms, Problem Solving.
- **LANGUAGES & TECH:** Java | JavaScript | ReactJs | NodeJs | ExpressJs | Docker
- **Database** – MongoDB | MySQL

## ACHIVEMENTS & CERTIFICATIONS

- **DESIGN - IT CONTEST** – Secured first position in a web development competition organized by NIC-SDC among 250+ participants by developing an e-commerce website using ReactJs, NodeJs, ExpressJs and MongoDB.
- **MACHINE LEARNING COURSE, IIT-KGP, NPTEL** – Successfully completed an introductory machine learning course offered by IIT Kharagpur through NPTEL, gaining foundational knowledge in machine learning concepts and techniques. (*April 2022 –June 2022*)

## EDUCATION

**M.V.J College of Engineering (VTU)**                                                           Bengaluru, Karnataka
B.E. in Computer Science & Engineering                                                      August 2019 –June2023
CGPA: 8.4