

# Rishal KV

MERN Stack Developer

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## PROFILE SUMMARY

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Passionate MERN stack developer skilled in JavaScript, React.js, Node.js, Express.js, and MongoDB. Committed to writing clean, maintainable code and continuously expanding knowledge. Driven by a desire to contribute to cutting-edge projects, eager to gain diverse industry experience in crafting modern web applications alongside talented teams.

## TECHNICAL SKILLS

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<b>Programming Languages</b>	: JavaScript, TypeScript
<b>Frontend Technologies</b>	: React.js, Redux, HTML5, CSS3, Tailwind CSS, Bootstrap
<b>Backend Technologies</b>	: Node.js, Express.js, MongoDB, Mongoose, Clean Architecture
<b>Deployment</b>	: AWS EC2, AWS Route53, Nginx, Vercel
<b>Tools and Libraries</b>	: Git, GitHub, Webpack, Babel, Swagger, Postman, Multer, Nodemailer
<b>Integrations</b>	: JWT, React OAuth2 — Google, Socket.IO, Cloudinary, Stripe, Razorpay
<b>Familiar With</b>	: Data Structures and Algorithms, MySQL, Firebase

## MAIN PROJECTS

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**Paper-Pencil** — E-Learning Platform [🌐 Live Link](#) | [🐙 GitHub](#) - [Frontend](#) — [Backend](#)

Paper-Pencil is an innovative E-learning application designed to elevate the educational experience through interactive video conferencing and messaging. It connects students and instructors in a collaborative virtual space, making learning more engaging and effective.

- Used MERN Stack (**MongoDB, Express.js, Node.js, React.js**) for robust Frontend and Backend development.
- Ensured robust frontend validation with **Formik**.
- Integrated **react-cropper** to crop images, **Cloudinary** to store images and videos.
- Utilized **Jitsi** for real-time video conferencing, enabling students to engage with instructors.
- Integrated **JWT** for secure user authentication, and **React OAuth2 — Google** for seamless Google authentication.
- Implemented **Socket.IO** for real-time communication between students and teachers.

**Nutrix** — E-Commerce platform [🌐 Live Link](#) | [🐙 GitHub](#)

Developed and designed a fully functional E-Commerce website. This integrated solution empowers vendors to efficiently manage their products, inventory, and orders while ensuring a seamless shopping experience for customers.

- Interactive E-Commerce Platform, used **MongoDB, Node.js, Express.js** and **EJS**.
- Used **MVC Architecture** in the backend for efficient and organized code management.
- Added features like add-to-cart, checkout, product details, for enhanced user experience.
- Provided detailed sales chart.
- Implemented order cancellation option and refund process into **Wallet**.
- Provided comprehensive admin functionalities, including CRUD operations for users, products, categories, coupons, offers and banners, ensuring optimal user experience.

## MINI PROJECTS

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### Blog App

 [GitHub](#) - [Frontend](#) — [Backend](#)

- Full-stack web application developed using **React.js**, **Redux**, **Express.js**, **MongoDB** and **Tailwind CSS**.
- Users can create and publish blog posts.
- Users can add posts to their favorites.
- Includes user authentication for secure access.
- User Management System using **Express.js** as backend. Used **React** with **Tailwind** CSS for frontend.
- Designed and implemented **RESTful APIs** for user operations, ensuring scalability and maintainability.

### Netflix Clone

 [GitHub](#)

- Developed an Netflix inspired platform using **React.js** for frontend.
- Integrated **TMDB API** to fetch and display movie data, providing users with up-to-date information.
- Allows users to watch trailer and read details about the Movie/Series.

### OLX Clone

 [GitHub](#)

- Developed an OLX inspired platform using **React.js** for frontend and **Firebase Authentication** For smooth and secure user experience.
- Allow users to add and list items.

## EDUCATION

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### MERN Stack Development

2023 - present

Brototype, Calicut

### Bcom - Computer Application

2020 - 2023 (Ongoing)

Kannur University