

# Muhammed Rashal M

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## Skills

**Languages:** JavaScript, Python, C/C++, SQL

**Frameworks & Libraries:** Node.js, Express, Django, ReactJS, Redux

**Databases, Cloud & Tools :** MySQL, MongoDB, PostgreSQL, AWS, Docker

**API & Authentication :** REST API, JWT Token, WebSocket

**Design & UI Tools:** Tailwind CSS, Bootstrap, Figma, Adobe Software

## Work Experience

**SMEC Labs, Ernakulam**

Apr 2024 - Present

### Software Developer

- Developed dynamic web applications using JavaScript and Python based frameworks such as Express and Django, contributing to the creation of scalable and efficient web solutions.
- Specialize in integrating front-end applications with RESTful APIs and web sockets. I also developed server-side logic and APIs using Express and Django, handling data processing and business logic efficiently.
- Utilized version control systems (Git) for code management, collaboration and continuously learned and applied new technologies with industry trends and improve technical skills.

## Education

University Of Calicut

BSc Computer Science

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Advance Data Structures and Algorithms.

## Project Work

- **E-commerce Platform** (2024): This Node.js and React.js project is a comprehensive online shopping platform featuring real-time product availability, a robust shopping cart, and dynamic search. It integrates Paytm Payment Gateway for secure transactions, with Express and Node.js powering the backend, and React.js providing an intuitive frontend. MongoDB manages the database, JWT authentication secures user sessions, and WebSockets enable real-time updates on order status and stock changes.
- **Cryptocurrency Chart Analysis And Roadmap to Trading** (2024): This project utilizes Node.js and React.js to predict market buying and selling times. It features a real-time price tracker, a prediction algorithm, and an online trading course. Built with Express, Node.js, React.js, and MongoDB, it ensures scalability and efficiency.
- **College Management System** (2023): The website enhances the learning experience with four key features: the Add-On Course Registration for easy enrollment in additional courses, a Study Materials section for convenient access to resources like lecture notes and e-books, a Program Information area that provides essential details on academic programs and deadlines, and an Attendance Feature to help students track their presence for better engagement. Built using Django for the backend and React for the frontend, the site incorporates JavaScript for interactivity, Bootstrap for responsive design, and Python for server-side logic.
- **Block-Chain Prototype** (2023): Developed a blockchain in Node.js using hash keys and preceding hashes, structured with two classes: one for block creation and another for chain connection, plus a validation function for node integrity. The blockchain was built using Node.js for the server-side environment, Express for the backend framework, and JavaScript for the overall logic and implementation, ensuring a secure and efficient blockchain system.

## Awards and Certificates

- Developing Back-End Apps with Node.js and Express Specialization on Coursera
- JEE (Mains) 2020 81.57% | NTA
- Hackathons HachCEC | IEDC

## Interests

- Trading • Nutrition
- Fitness • Self-improvement

## Declaration

Hereby declare that all the details mentioned above are in accordance with the truth and fact as per the knowledge.

MUHAMMED RASHAL M