

# Muhammed Rashal M

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## Skills

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

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

**Databases & Infrastructure:** MySQL, MongoDB, AWS, Docker

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

## Work Experience

**SMEC Labs, Ernakulam**

Feb 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**

Jun 2021 - Jun 2024

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

- **Cryptocurrency Chart Analysis And Roadmap to Trading** (2024): This Node.js and React.js project predicts optimal buying and selling times in the market. It features a real-time price tracker, keeping users updated on current prices and trends, along with an algorithm for market predictions. Additionally, it offers an online trading course on strategy development and market analysis. The project is built using Express for the backend, Node.js for the server-side environment, React.js for the frontend, and MongoDB for database management, ensuring a scalable and efficient system.
- **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