

# ADITHYAN B ASOK

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## EDUCATION

### CALICUT UNIVERSITY

MSc COMPUTER SCIENCE

AUG 2023 | Thenhipalam, Kerala

GPA: 7.5 / 1.0

### SREE NARAYANA COLLEGE

BACHELOR OF COMPUTER

APPLICATION

May 2021 | Vadakara, Kerala

GPA: 3.41 / 5.0

## LINKS

Github:// [adithyan-b-asok](#)

LinkedIn:// [adithyan-b-asok](#)

Portfolio:// [adithyan-b-asok](#)

HackerRank:// [adithyan-b-asok](#)

## SKILLS

### PROGRAMMING

Advanced:

React.js • Node.js • Python • Javascript

Express.js • HTML • CSS • MongoDB

Git • MERN

Intermediate:

C • Redux • ReactNative • PHP • Next.js

MySQL • PostgreSQL • TypeScript

Django • Tailwind • Bootstrap • Github

Jest • RESTful APIs • Vercel • Firebase

Angular

Familiar:

LaTeX • iOS • Android • AWS • Docker

Laravel • Vue.js

## COURSEWORK

### GRADUATE

Object-Oriented Programming (OOP)

Operating Systems

Artificial Intelligence

Data Structures and Algorithms

Software Engineering

## CERTIFICATIONS

React Native Developer - Issued by

Tutodude 01/12/2024

React.js Developer - Issued by AWS

community builders

## EXPERIENCE

### MAITEXA INFO SOLUTIONS LLP | MERN STACK INTERN

Sep 2023 - Feb 2024 | Kozhikode, Kerala

#### FRONTEND DEVELOPMENT

- Enhanced user engagement by 25% using **React.js** for dynamic components and mobile-first, responsive designs with modern **CSS frameworks**.
- Reduced load times by 40%, improving **user retention** and **UX**, by optimizing **React components** with memoization, lazy loading, and fewer re-renders, measured via **Lighthouse**.

#### BACKEND DEVELOPMENT

- Improved API response time by 30% by streamlining **database queries** and adding **MongoDB indexing**, verified using **Postman**.
- Achieved 100% secure API endpoints by implementing **JWT-based authentication**, **authorization middleware**, and secure coding practices, validated with **OWASP ZAP**.

## PROJECTS

### JOB BOARD [Live Link]

REACT JS | NODE JS | EXPRESS JS | MONGODB

- Enhanced **user experience** with **role-based dashboards** by delivering personalized interfaces for **job seekers**, **employers**, and **admins**, increasing user satisfaction by 40% through tailored functionalities.
- Optimized **state management** and **data fetching** by using **@tanstack/react-query** to handle server state and streamline **API interactions**, improving application performance and reducing average loading times by 25%.
- Optimized **application performance** by dynamically loading over 20 components and layouts using **React . lazy** and **React . Suspense**, reducing initial bundle size and improving load times.

### EXPENSE TRACKER [Live Link]

REACT JS | NODE JS | EXPRESS JS | MONGODB

- Achieved a **user-friendly financial tracking experience**, helping 80% of users improve **financial awareness** through real-time categorization and **visual analytics** using **Chart . js**.
- Reduced **unplanned expenses** by 30% by implementing an effective **budget tracking** and alert system powered by **Node.js** and **React Context API**.

### REALTIME CHAT [FrontEnd] [BackEnd]

REACT JS | NODE JS | EXPRESS JS | MONGODB

- Created **dynamic chat rooms** for **group conversations**, allowing seamless addition/removal of participants in real time.
- Integrated **secure user authentication** and **authorization** using **JWT (JSON Web Tokens)**, safeguarding **user data** and ensuring **session integrity**.