

MEENAKUMARI MADHAM

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EDUCATION

RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES

- Basar, Telangana, India

- B-Tech. - Computer Science and Engineering - CGPA : 8.5 /10 2021 - 2025
- Pre University Course - CGPA : 8.67 /10 2019 - 2021

Z.P.H.S INDURTHI

- Telangana, India

- Secondary School Certificate(SSC) - CGPA : 9.8 /10 2019

INTERSHIPS

Full Stack Developer Intern at TECHPLEMENT

- Actively work on both frontend and backend development tasks, enhancing existing features and implementing new ones across the platform.
- Contributed to Quote-of-the-day application and Online-Quiz-Hosting-Platform
- Developed scalable APIs and backend logic to manage dynamic quiz creation, user responses, and result evaluations.
- Collaborated with frontend developers to build a seamless quiz-taking experience by automating question handling, response validation, and result processing through RESTful APIs.

PROJECTS

Quote of the Day Web App || Tech Stack : React, Node, Express, RestAPIS

- Developed a fully functional quote delivery application that fetches and displays random quotes from a custom-built API containing 100+ curated quotes.
- Integrated author-based search functionality, improving user engagement and discoverability by 30%.
- Enhanced frontend responsiveness and reduced average page load time by ~30%, contributing to a smoother user experience. Deployed using Vercel, ensuring global accessibility with zero-downtime performance.

Online Doctor Appointment System || Tech Stack : React, Node, Express, MongoDB

- Built a role-based system facilitating patient-doctor interactions and appointment scheduling with secure user authentication (JWT). Implemented secure login, dynamic dashboards, and CRUD operations across two user roles.
- Designed the backend with RESTful APIs, JWT authentication, and database indexing to enhance performance and data protection.
- Deployed on Render for public access, with over 200+ test appointments handled during demo sessions.
- Implemented data validation, API-level error handling, and tested CRUD operations with Postman and frontend forms.

Online Quiz Hosting Platform || Tech Stack : HTML, CSS, Javascript, Node, Express, MongoDB

- Engineered a scalable quiz platform supporting real-time question/answer submission and result computation for users during live assessments.
- Designed and implemented a RESTful backend with dynamic question rendering, contributing to a 50% faster quiz load time.
- Collaborated in a team of 4 using Git for version control and Agile methods for weekly sprints, ensuring timely delivery and feature integration.
- Integrated error handling, input validation, and database schema design using MongoDB and Mongoose.

TECHNICAL SKILLS

- **Languages:** C++, C, Java, Javascript, SQL
- **Technologies/Frameworks:** HTML5, CSS3, React, MongoDB, Node, Express, MySQL, Git
- **Developer Tools:** VS Code, GitHub, Postman, MongoDB Compass
- **CS Fundamentals :** Data Structures & Algorithms, DBMS, OOPS

CERTIFICATES

- LinkedIn Learning Certificate in C++ & STL
- TCS iON Career Edge - Young Professional by TCS