Mamatha Mallela

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PROFILE SUMMARY

Experienced software professional with 2 +years of expertise in developing applications using React JS, Node.JS, Express JS, JavaScript, MongoDB, and MySQL. Skilled in GitHub for version control and collaborative development. Proficient in using Postman for testing REST APIs to ensure backend functionality and reliability. Actively contributed to standups and sprint meetings to deliver project on-time. Highly self-motivated, eager to take new challenges, and committed to continuous learning.

SOFT SKILLS

Task Management	Initiative Driven
Deliverable Oriented	Innovative Thinking

FUNCTIONAL SKILLS

Cross functional	APIIntegration
Test Cases Evaluation (Postman)	SQL and Databases

TECHNICAL SKILLS

Programming Languages: JavaScript | SQL
Frontend: HTML | CSS | React.JS | Redux |
Backend: NodeJS |Express JS | Socket.IO
Database: MySQL | MongoDB
Tools's Platforms: MySQL Workbench | MongoDB Compass | VS Code | Postman.

PROFESSIONAL EXPERIENCE

Software Engineer| BrightCom Group| Hyderabad   *Nov 2022 – Present*

Technologies Used: React JS, Redux, Material UI, Node JS, Express JS, Mongo DB, REST API

- Developed and deployed a comprehensive employee management web application accessible to employees. The application features a user-friendly interface, enhancing productivity and organizational efficiency across allroles.
- Integrate role-based access control RBAC with JWT login authentication. Ensures secure access for USER, HR, IT, and ADMIN roles, with each accessing only relevant features, enhancing security and usability.
- Enabling efficient CRUD operations and seamless frontend integration. Utilized nodemailer for OTP verification emails, greetings, leave approvals, and announcements.
- Offered essential features for employees, such as attendance tracking, leave management, announcements, holiday schedules, payslip access, and an office gallery.
- Provided data visualization with line charts for attendance trends and pie charts for leave distribution, offering clear insights into employee attendance and leave utilization.
- Implemented robust admin controls for employee management, access control, company group and page
- creation, reporting structure setup, attendance data upload, office gallery uploads.
- Played a key role in implementing an attendance tracking feature for admins to upload zip files of Excel sheets, automating status determination, compensation calculations, and extra hour compensation, streamlining processes.
- Collaborated within an agile development framework, actively engaging in sprint planning, daily stand-ups, and retrospective meetings to ensure the timely delivery of features and enhancements.

PERSONAL PROJECTS

Library Management (Backend Application)

Technologies Used: Node.js, Express.js, Mongo DB

- Having users, books, andlibraries schema. Users maybeauthors or borrowers, while only theadmincan create and manage books and libraries. CRUD operations on books and libraries are performed based on user roles
- Integrated multilingual support (English and Hindi) and Firebase for book image storage, ensuring efficient file handling and localization.

○ Implemented JWT-based authorization to secure APIs and control access based on user roles

➢ **Digital Examination website**
Technologies used : Reactjs, Nodejs, Expressjs, MySQL
Features:
User Authentication and Authorization:
- Implemented secure login based on email and password.
- Developed role-based access control for superadmins, admins, and users.
- Enabled superadmins to create and manage admin accounts, including viewing admin activity and scores.

Admin Features:
- Built CRUD operations for admins to manage notifications. Enabled admins to upload question papers
- Implemented functionality to track the number of users who applied for each notification.

User Registration and Notification:
- **Designed user registration process for exam notifications**
- Configured automated email notifications upon successful registration, including registration number, start time, end time, and exam date.
- Provided users with a link in the email to access the exam.

Exam Execution:
- Upon clicking the exam link, implemented a login page followed by camera activation for identity verification.
- Developed a system to take a user photo before starting the exam.
- Integrated a timer and multiple-choice question format for the exam.
- Displayed a scorecard with detailed scores upon exam completion.

TourBuddy (Tourism Website)
Technologies used : Reactjs, Nodejs, Express js, MySQL
Features:
- Developed TourBuddy, an Indian tourism website, using React.js to showcase the top 5 places with beautiful images in each state and union territory.
- Designed the application for responsiveness, ensuring a delightful experience across various devices.
- Included famous local food recommendations for each spot, accompanied by high-quality images to enhance the user experience.
- Prioritized performance optimization and user satisfaction to deliver an exceptional travel planning experience.
- Deployed the application on Heroku for easy access and scalability.
- Implemented a search option to easily find and explore different states and union territories

EDUCATION

- Bsc , 7.36 CGPA – KSN women's degree College, Anthapuram | *August 2019 – July 2022*
- HSC, 8.36 CGPA, A.P.S.W.E.R(social welfare) college, Thondur | *July 2017 – April 2019*
- SSLC, 8.2 CGPA, A.P.S.W.E.R(social welfare) school, Thondur| *July 2016 – May 2017*