Rahul AP

Kerala, India

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Education

Kerala Government Polytechnic College   **Aug 2020 – Jul 2023**
Diploma in Computer Engineering   *Kozhikode, Kerala*

Experience

AOT Technologies   **Jul 2023 – Present**
Junior Software Engineer   *Kerala, India*
- Engineered browser extension automation workflows using Puppeteer, reducing manual QA time by 40% and boosting efficiency.
- Led front-end development for web platforms like **Quipo** and **Quipo Lite**, serving 7+ clinics across Canada.
- Designed and developed 10+ responsive UI components with Angular and TypeScript, improving accessibility for healthcare professionals.
- Collaborated with cross-functional teams to deliver 5+ production-ready features in an Agile environment, improving development velocity by 20%.
- Refactored legacy code, enhancing maintainability and reducing page load times by 25%, resulting in a 15% increase in user engagement.
- Conducted cross-browser testing and resolved compatibility issues, ensuring a seamless UX for 5,000+ users across multiple devices.
- Documented workflows, automation scripts, and onboarding guides, reducing onboarding time for new team members by 30%.

Nexus Technologies   **Jan 2023 – Jun 2023**
Internship   *Remote*
- Designed the layout for an AI-powered symptom checker app, projected to serve 1,000+ users in its first year.
- Curated training datasets, improving model accuracy to 95% in symptom classification.
- Collaborated with team members to improve AI model precision by 10%, aligning model outputs with user experience.
- Contributed to architecture planning and MVP documentation, accelerating project timelines by 15%.

Projects

Streamify - Full Stack Chat App | *React, Express.js, Stream, WebRTC*   **2025**
- Developed a real-time messaging application with secure login, registration, and friend request system, supporting 100+ concurrent users.
- Implemented WebRTC-based real-time chat, image sharing, and video calling with screen sharing, increasing user engagement by 30%.
- Integrated Stream API into the chat framework, allowing real-time updates and notifications, increasing user interaction rates by 30%.
- Designed a responsive UI with conditional rendering based on user states, improving usability by 20%.

Employee Management System | *Angular 19.2, Bootstrap 5, REST APIs*   **2024**
- Built a web application to manage employee data, streamlining HR tasks for 200+ employees.
- Integrated with `projectapi.gerasim.in` for CRUD operations, improving data accuracy and real-time updates by 25%.
- Implemented form validation and feedback mechanisms, reducing user input errors by 15%.
- Utilized best practices such as modular services, routing, and reusable components, reducing code duplication by 20%.

Bank Loan Application | *Angular*   **2024**
- Designed and implemented an adaptive loan application form, improving submission efficiency by 10%.
- Developed Angular components and services, increasing maintainability and scalability by 25%.
- Optimized API calls, reducing loan processing time by 20%.

Technical Skills

Languages: TypeScript, JavaScript (ES6+), HTML5, CSS3, Python (basic)
Frameworks/Libraries: Angular, React, Redux, Redux Toolkit, NgRx, RxJS, Node.js, Express, Puppeteer
Tools: Git, VS Code, Chrome DevTools, Cypress, Postman, Docker
Databases: MongoDB, Firebase, MySQL