

Harshavardhan Reddy Manyam

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EDUCATION

Texas State University Master of Science in Computer Science	San Marcos, Texas May 2024
Amrita School of Engineering Bachelor of Computer Science	Bengaluru, India May 2019

TECHNICAL SKILLS

Frontend: JavaScript, Typescript, React JS, React Hooks, React Router, Redux, React Native, HTML5, CSS, Styled Components

Backend: NodeJS, ExpressJS, MySQL, MongoDB, PostgreSQL, Django, Flask

Tooling: Git, GitHub, Docker, AWS, Jenkins

Other: GraphQL, Elasticsearch, SQL, ArcGIS, RESTful API, OAuth, JWT, Linux/Unix, CI/CD

PROFESSIONAL EXPERIENCE

Texas State University <i>Graduate Assistant (Web Developer)</i>	San Marcos, Texas September 2023 – Now
<ul style="list-style-type: none">Designed and deployed various UI components and web pages using Gatsby ReactJS for a small-scale business disaster resilience website, seamlessly integrating ArcGIS maps to visualize and present comprehensive weather conditions dataIntegrated Google Analytics to track user behaviour, including navigation patterns and interactions with URL links, providing actionable insights for optimizing website experienceRevamped website flows and navigation menus, reducing the frequency of misdirected customer service queries by 30% and increasing traffic to previously neglected pagesWrote and optimized GraphQL queries to fetch and process data for seamless integration into the React stateUtilized Context API to dynamically fetch and display data related to the user's current location, enhancing the user experience with personalized informationImplemented internationalization using the powerful react-i18next framework, converting all text from English to SpanishIncorporated markdown files for content creation, ensuring easy and efficient content updates and managementApplied advanced skills to process diverse RSS feeds from NEWS channels, seamlessly incorporating into webpages providing users with up-to-date information	
Tata Consultancy Services <i>Software Engineer (Full Stack Developer)</i>	Bengaluru, India July 2019 - August 2022
<ul style="list-style-type: none">Developed engaging UI components and an interactive dashboard with ReactJS, increasing user engagement by 30% and improving data visualization for informed decision-making by 35%Executed RESTful APIs with Node.js and Express, optimizing UI interactions and improving data retrieval times by 25%Enhanced data accessibility by implementing filterable tables using Elasticsearch, resulting in a 40% increase in user satisfaction and efficiency when navigating through thousands of data pointsAdopted Redux for state management, achieving a 25% reduction in code complexity and a 15% increase in team productivity by streamlining state management processesDeveloped secure APIs for authentication and data visualization using NodeJS, contributing to robust server-side functionalities and enhancing overall system security and performanceContainerized applications using Docker, simplifying the deployment process and ensuring consistent environments across development, testing, and production, which reduced deployment issues by 30%Integrated CI/CD pipelines using Jenkins and GitHub Actions, automating the build, test, and deployment processes, which decreased release cycles by 20% and improved code qualityLeveraged AWS services, including EC2, S3, and RDS, to deploy and manage scalable, high-availability applications, resulting in a 25% reduction in infrastructure costs and faster application uptimeIdentified and rectified critical software defects while implementing new features, optimizing application performance and usability. Conducted comprehensive code reviews, resulting in a 15% reduction in coding errorsExecuted front-end optimization strategies, driving a 15% increase in website performance through techniques such as code minification, Memoization. Efficiently troubleshooted issues using browser developer tools	
Yobny Tech Solutions <i>Internship (Front End Developer)</i>	Bengaluru, India February 2019 – July 2019
<ul style="list-style-type: none">Transformed wireframes into a responsive website UI using ReactJS that reduced overall page load speed by 15%Integrated RESTful APIs into the front-end using React JS, enabling data flow and functionalityManaged version control with Git and routinely pushed code to GitHub, for code integrity across the teamAssisted senior developers in debugging JavaScript code, optimizing website performance and user experience	