# SHIVANI REDDY ALETI

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**Professional Summary:** Dedicated Full Stack developer with 4 years of experience creating responsive, user-friendly web applications. Proficient in JavaScript, ReactJS, Angular JS, Databases, SQL. Adept at collaborating with cross-functional teams to deliver high-quality projects meeting both client and business requirements.

## Education:

- **Master's Degree** | **University of Texas at Arlington** |                                    **January 2022 – May 2023**
  *Major:* Computers and Information Science
  *Relevant Coursework:* Design and Analysis Algorithms, Distributed Systems, Web Data Management, Artificial Intelligence, Data Analysis and Modelling Techniques, Software Engineering Management & Quality Analysis, Data Mining, Machine Learning.

- **Bachelor Of Technology** | **Jawaharlal Nehru Technological University Hyderabad |**        **January 2016 – August 2020**
  *Major:* Computer Science and Engineering
  *Relevant Coursework:* Data Structures and Algorithms, Distributed Systems, Web Development, SQL, Data Mining, Machine Learning, Software Engineering, Operating Systems, Object Oriented Programming using Java.

## Professional Experience:

1. **Software Engineer | Sarithm |**                                                     **March 2024 – Present\***
   - Developed and maintained **HAUL'R** application at Sarithm, a construction app focused on trucking logistics and driver management.
   - Utilized React Native Web technology to build a cross-platform application, ensuring seamless user experience across various devices and platforms.
   - Designed and implemented APIs to facilitate communication between the frontend application and backend servers, enabling real-time data exchange and synchronization.
   - Integrated geolocation services to provide location-based features, such as tracking trucks and optimizing route planning for efficient transportation operations.
   - Implemented authentication and authorization mechanisms to ensure secure access to sensitive data and functionalities within the application.
   - Optimized performance and scalability of the application by employing best practices in code optimization, database design, and server architecture.

2. **Web Developer | University of Texas at Arlington |**                                   **May 2022 – May 2023**
   - Developed responsive and user-friendly web applications using modern frameworks such as React JS, Angular JS, and React Native.
   - Collaborated with cross-functional teams to design and implement web solutions meeting university requirements.
   - **Campus Events Management System:** Created a centralized platform for managing university events, facilitating communication between organizers and attendees using React JS.
   - **Student Portal:** Designed and developed a student portal for accessing academic resources, course materials, and student services using Angular JS.
   - **Virtual Campus Tour App:** Built a mobile application using React Native for prospective students to explore the campus virtually using React native.
   - Implemented best practices in web development, ensuring scalability, performance, and security of applications.
   - Provided technical support and training to university staff and faculty on using web applications and content management systems.

3. **Full Stack Developer | DBS Bank |**                                                **January 2020 – December 2021**
   - Led creation of 'Mortgage Calculator' project from scratch in Taiwan as Full Stack Developer using ReactJS, Redux, Next JS, NodeJS, AWS and API, resulting in streamlined mortgage calculations and 100% surge in user engagement.
   - Contributed to 'Currency Converter tool' for transaction exchange rates and Vickers's migration Project.
   - Contributed to 'Branch Locator tool' for locating bank branches, utilizing TeamSite CMS, CDN and Livesite.
   - Developed modular ReactJS "Micro Frontend" components, enhancing code reusability by 30%.
   - Integrated RESTful APIs for seamless front-back communication, leveraging Amazon AWS Cloud for asset hosting.
   - Implemented test-driven development, reducing bug-related support tickets by 40%.
   - Managed daily scrums, backlog, and CI/CD pipelines with JIRA and Jenkins.
   - Utilized Next JS server-side rendering and optimized client-side routing for improved browsing experiences, elevating user engagement.
   - Actively participated in SQL script code review sessions, resulting in a 40% reduction in SQL-related issues.

4. **Software Engineer | Amazon |**                                                    **January 2019 – July 2019**
   - Spearheaded the development of the "Sellers Summary" application, providing sellers with an extensive overview of product sales across multiple platforms.

- Designed and implemented a Web application, Alexa integration, machine learning, and an Android application to deliver comprehensive functionality.
- Leveraged SQL databases and stored procedures to ensure efficient data storage and retrieval, optimizing performance.
- Executed Phase 1 by constructing a robust web application on AWS, facilitating access to sales data and performance insights.
- Led Phase 2 integration of Alexa for voice-based instant information retrieval, employing JAVA frameworks, JavaScript, Alexa Integration, AWS Lambda, Amazon SNS, and diverse web technologies.

## Technical Skills:

- **Programming Languages:** JavaScript, Typescript, JAVA, Python, C, C++.
- **Web Technologies:** HTML, CSS, ReactJS, React Native, AngularJS, jQuery, Bootstrap, NodeJS, Next JS, PHP, Tailwind CSS, Styled Components, Webpack, Babel, SASS, RESTful API's, HTTP, CDN (Content Delivery Networks), CMS (Content Management System), Shopify CLI, JSON, AJAX, XML, jQuery, AWS CloudWatch, AWS Amplify, AWS Lambda, AWS Cloud Formation, TeamSite (OpenText), AWS Alexa Integration,  Cross-Browser Functionality, Responsive Web Design, Web Performance Optimization.
- **Databases:** MySQL, MariaDB, SQL Lite, SQL, RDBMS.
- **Testing and Debugging:** Unit Testing, JEST, JUnit, Debugging Tools, Chrome Dev Tools, React Developer Tools, Redux Developer Tools, Postman (API Testing), ES Lint, Prettier, Lighthouse.
- **Tools:** Visual Studio Code, Eclipse, IntelliJ, Jupyter, Android Studio, Microsoft Office, Excel, Git, Bitbucket, AWS, MySQL Workbench, Apache, Heroku, Figma, VMware, Ubuntu.
- **Methodologies:** Agile, Scrum, Jenkins, CI/CD Pipeline, Jira, Confluence, Retrospective, Microsoft Teams.
- **Others:** Data Structures and Algorithms, Problem Solving, OOPs (Object Oriented Programming), Machine Learning, Data Science, Linux, Bash scripting, SOAP, software development life cycle SDLC, Data Manipulation, Data Modelling, ETL Process.

## Appreciation And Certifications:

- Won First position in **Hack2Hire (Hackathon)** conducted by DBS organization.
- Oracle Certified Associate (**JAVA**)

## Projects:

- **Movie Reviews Application**: Developed an engaging Movie Reviews web application utilizing AngularJS, offering users an interactive platform to browse, review, and rate movies. Utilized: JSON, Bootstrap, Angular CLI, Rest API's, dynamic pages, Routing.
- **Weather Forecast App:** Designed and developed a Weather Forecast App using React Native, demonstrating proficiency in mobile application development. The app provides weather updates, forecasts, and interactive features for users. Integrated APIs to fetch and display accurate weather data. Utilized: React Native, JavaScript, APIs for weather data retrieval, Responsive Design.
- **Covid Map Application**: Developed a COVID Map Application using React.js to visualize real-time data and statistics related to the COVID pandemic. The application provides an interactive map interface for users to explore and understand the impact of the virus globally or within specific regions.
- **Web Data Management Project:** Managed family ancestors' property records using ReactJS, WORDPRESS, LARAVEL, JAVA, SQL.
- **Client-Server Application:** Implemented client-server architecture with RPC protocols, enabling seamless file actions such as uploading, deleting, and renaming, optimizing synchronous and asynchronous operations. Leveraged JAVA, VMware, and Ubuntu technologies.
- **Logical Vector Clocks:** Created a vector clock system for a serverless chat app, enabling client communication through message exchanges. Tech: Python, Java.
- **Gym Management Application:** Crafted a web app for gym admin, simplifying customer data management. Utilized JavaScript, BOOTSTRAP, JAVA, Servlets, JSP, SMTP, Angular JS.
- **Pothole Detection App:** Prepared an Android app for reporting potholes, utilizing Flutter, DART, Firebase, Android Studio, Machine learning.
- **TODO List App:** Developed a robust and intuitive To-do List mobile application using React Native for the Android platform. This project involved: React Native, CRUD operations, Expo Go.
- **P.A.W.S Android App:** Built an app for dog memory, training, journal, appointments using React Native, Android Studio, expo, available in Google Play Store.
- **Cloud-Based Storage Application:** Designed an app for file sync, Delta Sync, Error Handling using UDP/TCP protocols for large and small files. Implemented Message passing and data transmission. Tech: JAVA, JSON.