VAISHNAVI SHREYA TEDDU

| **Full Stack Developer** | 689-209-8693 | vshreyat2009@gmail.com | LinkedIn | Portfolio

Skills

Web Technologies: JavaScript (ES6+), CSS, Figma, Express, HTML, React, RESTful, Spring Boot, Webpack.
Cloud Platforms: Amazon Web Services, Docker, GitHub.
Databases: MySQL, SQL, PostgreSQL, NoSQL.
Operating Systems: Linux, Unix and Windows.
Programming languages: C, C#, C++, PHP, Java, JavaScript, Python, TypeScript.

Education

University of Central Florida   **Orlando, FL**
Master of Science in Computer Science and Engineering.   *Aug 2022 – May 2024*
- Coursework: Design and Analysis of Algorithms, Advanced Computer Architecture, Software Engineering, Machine Learning, Data Mining Methodologies, Natural Language Processing.

Experience

University of Central Florida   *Jan 2023 – present*
Graduate Research Assistant   *Orlando, FL*
- Engineered a 3D interactive flashcard quiz application using **Three.js** and UI/UX design patterns using **Tailwind CSS, React.js**.
- Implemented **Context API** for back end with **PostgreSQL** to store Flashcards, or quiz related data which to reduced redundant API calls by 36 % .
- Incorporated accessibility enhancements by improving Keyboard Navigation with **TypeScript** and **Next.js**, increasing accessibility scores by 58%.
- Designed the application by implementing server less architecture **AWS Lambda** thereby decreasing Authentication time by 76.2%.
- Incorporated **React Redux Toolkit** for state management and **Elasticsearch** that increased transaction rate by 23.8%.

Zensar Technologies   *May 2021- Oct 2022*
Software Developer   *Hyderabad, Telangana.*
- Developed a robust **SaaS** product with **Microservices** architecture using **Spring Boot** to enhance system efficiency while ensuring a Agile software
  e with high level of modularity.
- Ensured end-to-end seamless communication among Microservices by crafting **RESTful API integration** and **Apache Kafka** with **Eureka server** which realized a 60% reduction in response time.
- Established API Gateway functionality through **Spring Cloud Gateway** with key cloak in **Spring Security** which resulted in 40% increase in Log analysis efficiency.
- Fabricated **automated test scripts** testcases in **selenium** to ensure optimal UI functionality.
- Integrated **Spring Test** into **CI/CD pipelines** and achieved 30% reduction in regression issues.
- Performed system monitoring using **Grafana** and **Prometheus** being containerized in **Docker and Kubernetes.**
- Integrated **Snowflake** for real-time data processing with **Snowpipe** for continuous data loading.

Coign Technologies   *Jan 2020- Mar 2021*
Frontend Developer   *Hyderabad, Telangana.*
- Pioneered a full stack web application using, **Vue.js and Django REST** resulting in 25% increase in user engagement.
- Devised a potent CI/CD pipeline using **Cypress**, **Jenkins** and **Gitlab**, reducing page load times by 40%.
- Orchestrated Software development lifecycle and TDD with the help of Sprint planning.

Projects

Magic Stay. */SQLServer,ASP.NET core, Entity Framework Core, RESTful API.*
- Built a robust and scalable **RESTful** API built with **ASP.NET Core,** handling dynamic HTTP request.
- Engineered comprehensive villa management with the help of CRUD operations and **Entity Framework Core, DTO** enabling creating, updating or deleting.

Memory Wall. *| MongoDB, Express, Angular, NodeJS, GraphQL.*
- Architected a social media application for college ecosystem and enabled seamless sharing of captivating images.
- Deployed in **AWS EC2** and Optimized Apollo servers to enhance data retrieval using, GraphQL APIs by 23%.

Certifications

Amazon AWS developer associate certification