Venkata Kausik Renduchintala

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EDUCATION

University of Houston

Houston, TX

Master of Science in Computer Science (MS CS) | GPA 3.56 / 4

Aug. 2023 - May 2025

SASTRA Deemed University

TamilNadu, IN

Bachelor of Technology in Computer Science and Engineering | GPA 9.00 / 10

July. 2017 - July 2021

EXPERIENCE

Software Engineer

May 2021 – July 2023

Securin (Formerly CyberSecurityWorks Pvt. Ltd.)

Chennai, IN

- Contributed as a Java backend developer at Securin in developing a SaaS product for attack surface management that is architected to identify vulnerable exposures and assets for organizations
- Optimized database schemas utilizing MySQL, ElasticSearch and RedisCache for efficient data ingestion and retrieval.
- Implemented scalable and fault-tolerant 5+ microservices using Spring Boot and Hibernate
- Developed high-performance scalable RESTful APIs using Java, SpringBoot, Kafka, MySQL, ElasticSearch adhering to REST principles, and ensuring API consistency and security.
- Debugged 20+ bugs across server and client pages, enhancing the reliability of backend services.

Mobile App Developer

Jan 2020 – June 2020

Codemania

Hyderabad, IN

- Developed a responsive Used Car Rental mobile application using Flutter and reduced build time using parallelization
- Employed and developed 5+ backend Microservices in Spring Boot API's, utilizing Junit for unit testing
- Integrated a floating chatbot in Home and FAQ pages implemented using NLP, MongoDB.

Projects

Offline Video Feed Analysis | Yolo-v7, FLutter, Python, FastAPI, MongoDB

- Developed an offline video analysis desktop application in Flutter, featuring Yolo-v7 model-based object detection with 70% accuracy and MTCNN-powered face-recognition authentication.
- Engineered Python FastAPIs for efficient data management, enabling real-time storage and retrieval of detected objects in MongoDB, deployed within Docker containers
- Incorporated geo-tagging features with offline mapping capabilities, coupled with comprehensive trend analysis and report generation for location-specific data insights, enhancing the application's analytical functionality.

Immigration GPT | Python, GPT-2, MongoDB

- Engineered a GPT based AI application for immigration-related queries, fine-tuned with domain-specific data, and deployed via FastAPI, with a Svelte and TypeScript frontend handling chat history persistence in MongoDB
- Implemented secure user authentication using SpringBoot APIs, managing user information in a MySQL database, ensuring a scalable and secure backend infrastructure

InventoryCatalyst | E-commerce App

- Developed a flutter mobile application for seamless kitchen inventory management
- Designed and developed app using flutter framework with SpringBoot backend and MongoDB, MySQL databases along with firebase push notifications
- Implemented CI/CD pipelines with Jenkins, AWS EC2, Kubernetes, Git, automating deployment of online services

AutoDeploy | SCM Polling

- Programmed a GitHub Actions and Jenkins pipelines to auto-deploy if changes were made to 10+ scripts.
- Tested pub/sub activity using a test script that sends streaming data every five minutes, such that data is tested for each commit

TECHNICAL SKILLS

Languages: Java, Python, C, C++, Dart, JavaScript, HTML/CSS, R, C#

Tools & Technologies: Spring Boot, React, Flutter, Node, Flask, Git, Docker, Kubernetes, Linux, Android Studio,

AWS, Jenkins

Databases: ElasticSearch, MySQL, PostGreSQL, MongoDB, Redis, AWS RDS, Firebase