Sai Shronith Motukuri

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EDUCATION

University of Texas at Dallas — Richardson, Texas
Master of Science in Computer Science (Fast Track Program) — Intelligent Systems Design — Aug 2023 - Dec 2024

University of Texas at Dallas — Richardson, Texas
Bachelor of Science in Computer Science — Aug 2020 - May 2023

EXPERIENCE

Software Engineer — Dallas, TX
Walmart Global Tech · Sam's Sponsored Ads Team — June 2024 - Aug 2024
- Successfully intergrated essential validation tools into the deployment configuration, streamlining the pipeline.
- Migrated our entire codebase to Springboot 3.2, updated all dependencies, resolved mismatches, and cleared all vulnerabilities to enhance system security and performance.
- Improved application test coverage by 25%, ensuring higher code quality and realiability.

Software Development Engineer — Irving, TX
TekOne Systems · Development Team — Jan 2023 - May 2024
- Developed web applications using Angular, HTML, CSS, JavaScript, and hosted on AWS, enhancing scalability.
- Constructed Neural-Network architectures from scratch and deployed numerous models on Google Cloud via Vertex AI.
- Worked on various classification, regression, and natural language processing algorithms using TensorFlow and Torch.

Software Development Intern — Irving, TX
TekOne Systems · Library Management System — May 2022 - August 2022
- Worked on the development of a departmental module using Java and Spring Framework.
- Constructed back-end architecture with Java and SpringBoot, integrating MySQL, and deployed through AWS.

PROJECTS

Project Apollo - HackUTD 2023
Hackathon Project (Team) · Python, FastAPI, NodeJS, Llama 2, ReplicateAI, Azure AI, React — November 2023
- Developed a financial performance prediction application using revenue reports, news headlines, and generative AI.
- Deployed Llama 2 Generative AI model on Azure to analyze data from multiple sources, providing detailed performance predictions and created a dynamic React app and an ensemble model for efficient data processing and user interface.

Sobrive - HackUTD 2022
Hackathon Project (Team) · Python, NodeJS, HTML, CSS, BootStrap — November 2022
- Pioneered an image recognition model using Python libraries (Dlib, OpenCV, Scikit-Learn), specialized in differentiating sober versus intoxicated facial features.
- Built a robust machine learning pipeline and an API using Streamlit, enabling the model's integration into a web-based platform for real-time analysis.

CERTIFICATIONS & ACHIEVEMENTS

AWS Certified Cloud Practitiomer
Amazon Web Services — December 2024

HackCBRE @ UTD 2nd Place
Project: Property Insight Recommendation Engine for CBRE Employees — October 2023

Oracle Certified Associate
Java SE 8 Programmer — August 2023

SKILLS

Programming Languages: Java , C++ , C , JavaScript , Python , HTML 5 , CSS , Unix , MySQL
Technologies: Git , NodeJS , ReactJS , ExpressJS , APIs , REST , Angular , Tableau , Microservices , SpringBoot , Hibernate , JDBC , AWS , Cloud Formation , Hadoop , Spark , Hive , PySpark , PyTorch , Keras , NoSQL , MongoDB , Cassandra , Tensorflow , NLP , Agile , JIRA , Information Retrieval & Extraction , Collaborative Filtering , TF-IDF
Relevant Coursework: Data Structures & Algorithms , Database Systems , Machine Learning , Web Programming Languages , Artificial Intelligence , Probability & Statistics , NLP , Big Data Management and Analysis