SAI KISHORE
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EDUCATION

University of Houston | GPA: 3.7 — Houston, Texas
Masters in computer software engineering — 2023 – 2024

TECHNICAL SKILL SET

Programming Languages & Frameworks: .NET Framework, Angular, C, Core Java, Django, Java, JavaScript, Python, TypeScript, Vue.js, HTML5, Cascading Style Sheets (CSS), Spring Boot, Data Structures.
Cloud, DevOps & Big Data: Amazon Web Services (AWS), Apache Spark, Azure, Docker, Kubernetes, Jenkins, REST APIs, Back-End Web Development, Front-End Web Development, Full-Stack Development, PSQL, SQL, MySQL, MongoDB, Oracle, Database Management System (DBMS).
Data Science & Machine Learning: Data Analysis, Deep Learning, Machine Learning, TensorFlow/Keras, MATLAB, Microsoft Power BI, Tableau.
Software Development, Testing & Project Management: API Testing, Agile Development, CRM Software, Cucumber, Debugging, Gherkin, GitHub, Jest, Jira, Test Automation, TestNG, Selenium, UX/UI Design, Responsive Web Design, Microsoft Office, Web Development.

PROFESSIONAL EXPERIENCE

University of Houston — Houston, Texas
Tech Support | System Administrator — 2023 – Present
The University of Houston is a large public research university. In my role, I manage the IT systems, provide support to students and staff, and ensure the university's digital platforms run smoothly. I also handle system upgrades and troubleshoot any technical issues.

Infosys Limited — Mysore, India
Systems Engineer | DevOps Engineer — 2022 – 2023
Infosys is a major player in the IT services industry. During my time there, I worked on a full-stack web application project using Angular and React on the front end, and Java, Python, C, and SQL for the back end. I developed the application from scratch to handle everything up to the payment system, utilizing Java full stack and tools like Selenium for testing and automation.

Wipro Limited — Bangalore, India
Project Engineer | Design Engineer — 2021 – 2022
Wipro is a global IT and consulting company. I developed an e-commerce website from front-end to back-end using .NET and other full-stack technologies. The project involved building the complete solution, including user interface design, database management, and payment processing, ensuring a smooth user experience.

Finiglobe Techno — Hyderabad, India
Data Engineer | Analyst — 2019 – 2021
Finiglobe Techno is an IT consulting firm. As a data engineer and analyst, I built and managed data pipelines, designed data warehouses, and used tools like Power BI to analyze and present insights. My role focused on helping the company use data to identify trends, improve operations, and make informed decisions through data-driven analysis.

RESPONSIBILITIES (5 Years)

- With around 5 years of experience, including internships and full-time roles, I've focused on full-stack development using Java, .NET, and Python, building scalable software solutions.
- I migrated older systems to cloud platforms like AWS and Azure, improving performance and cutting operational costs by approximately 30%.
- I've developed and maintained full-stack applications using Angular, React for front-end, and Java, Python, C, and SQL for back-end services, ensuring smooth and responsive user experiences.
- Key projects include **Ekart** and **Fruit Basket**, where I built secure payment systems and handled real-time transactions using OAuth2 and REST APIs.

- I designed and managed ETL pipelines with AWS Glue and Azure Data Factory, connecting data from sources like SQL Server, Azure Blob Storage, and S3 for seamless data integration.
- I created data architectures, including Data Lake and Snowflake, to optimize data accessibility and scalability across distributed environments.
- For projects like e-commerce platforms and music streaming apps, I handled both front-end and back-end development using Angular, Core Java, and .NET, integrating secure payment and user authentication features.
- I implemented CI/CD pipelines using Jenkins, GitLab, and Docker, automating testing and improving the speed and reliability of deployments across microservices-based systems.
- By using Docker and Kubernetes, I ensured consistent and fault-tolerant deployment of multi-tier applications.
- I built data pipelines using PySpark and Apache Kafka to process real-time data streams, improving system performance for high-traffic e-commerce sites.
- I wrote complex SQL queries, triggers, and stored procedures for databases like MySQL, PostgreSQL, and SQL Server to handle data integration and transformation.
- For an AI-based detection system project, I used MATLAB and TensorFlow, working within an Agile team to deliver real-time image analysis solutions with a user-friendly interface.
- I developed machine learning models in Python with Pandas, NumPy, and Scikit-learn, helping improve decision-making with predictive analytics.
- I implemented automated testing frameworks with Selenium and Cucumber to ensure the stability and performance of the applications I worked on.
- I mentored junior developers, helping them improve their coding practices and understand software architecture and testing, fostering a collaborative and growth-oriented team environment.
- I also developed a chatbot using Microsoft Bot Framework and LUIS, reducing customer support response times by 25% through natural language processing (NLP).

PROJECTS

Deep fake Detection on Social Media (Self-Developed): I developed a system that uses AI to detect deep fake videos and images on social media platforms. This project focused on identifying manipulated content to help combat misinformation. It implemented a detection pipeline to enhance security measures online.

Securing Data with Blockchain and AI (Self-Developed): This project integrated blockchain technology with AI to secure sensitive data. I designed a decentralized storage system paired with AI models for threat detection. The goal was to protect data from cyber-attacks and unauthorized access.

eKart Application (Infosys): At Infosys, I developed an e-commerce platform using Spring Boot and Angular. The application featured secure payment gateways and OAuth2 for user authentication, along with a responsive design. It optimized real-time transactions for a better user experience.

Fruit Basket Inventory Management (Wipro Limited): I built an inventory management system for tracking fruit stock in real time using AngularJS and Bootstrap. The system provided automatic updates and streamlined order management. This helped improve operational efficiency and stock control.

Skin Cancer Detection Using Deep Learning (University Project): I led a team to develop a deep learning model using algorithms like AlexNet and ResNet for skin cancer detection. We built a Python-based system to analyze skin images and identify cancerous lesions. Our findings were submitted to an IEEE conference for publication.

CERTIFICATIONS

AWS Certified: Solutions Architect Associate
Microsoft Certified: Azure Developer Associate
Programming with Python - Internshala
Internet of Things (IoT) - Origin, ITsez Hub
JavaScript Fundamentals - UDEMY
Automate the Boring Stuff with Python - UDEMY
Switching Theory and Logic Design - NPTEL
Mathematical Methods and its Applications - NPTEL

HONORS AND CONTRIBUTIONS

- Published an IEEE paper for the project "Skin Cancer Detection".
- Developed personal projects with extensive Git repositories containing various files and project content.
- Discovered a critical bug in the University of Houston-Clear Lake's PeopleSoft system, preventing asset data conflicts. Received appreciation from the Director and was promoted to Tech Administrator.