

SAICHARAN KOTEKAL

sk23x@fsu.edu • (850) 405-2828 • [LinkedIn](#) • [Portfolio](#) • [Leetcode](#) • Tallahassee, FL

EDUCATION

FLORIDA STATE UNIVERSITY

Tallahassee, FL

Master of Science in Information Technology / CGPA-3.96

August 2022 – May 2025

- Coursework: Website Development & Management, Data Analytics, Software Engineering, Information Systems Management, Management Information Organization, Object-Oriented Programming, Usability Analysis

VELLORE INSTITUTE OF TECHNOLOGY

Vellore, India

Bachelor of Technology / CGPA-3.96

July 2018 – May 2022

- Completed 15+ Computer Science courses on Coursera and Udemy from prestigious universities, including Stanford.

TECHNICAL SKILLS

- Programming Languages: Java, Python, SQL, JavaScript, TypeScript, C, C++, Go
- Backend Development: Spring, Spring Boot, REST APIs/ RESTFul APIs, Microservices, Node.js, Django, Kafka, OAuth2, Datadog
- Frontend Development: React, Angular, HTML5, CSS3, JQuery, JSP, Bootstrap
- Machine Learning & Data Science: TensorFlow, NLP (spaCy, NLTK), Scikit-Learn, Pandas, NumPy, Matplotlib
- Tools & Platforms: Docker, Kubernetes, Jenkins, Git, AWS, Postman, PowerBI, Selenium, Maven, AWS EC2, AWS CloudWatch
- Databases: MySQL, PostgreSQL, MongoDB

PROFESSIONAL EXPERIENCE

FLORIDA STATE UNIVERSITY

Tallahassee, FL

Graduate Research Assistant | Python, NLP, TensorFlow, PostgreSQL, Web Scraping, Data Analytics

July 2024 – Present

- Designed and implemented a **high-performance web scraping system** using Scrapy, Selenium, and Python, achieving a 20% increase in data accuracy and efficiency in data collection.
- Developed an **NLP pipeline** leveraging spaCy and NLTK, enabling **Named Entity Recognition, Topic Modeling, and Sentiment Analysis** for robust data insights.
- Built a **TensorFlow-based predictive model** with 85% accuracy, reducing hiring inefficiencies by 30% through advanced data analysis and trend forecasting.
- Coordinated cross-functional data collection efforts, ensuring compliance with data privacy standards and enhancing research throughput by 40%.

ACCENTURE

Chennai, India

Software Engineer | Java, Spring Boot, SQL, ReactJS, Kafka, Agile, FIX Protocol, Microservices

August 2022 – August 2023

- Served as a Backend Developer for the Disney+ platform, developing microservices (ContentIngestion, PlaybackTracker, UserProfileManager, SubscriptionHandler, ContentRecommendation) to streamline video processing, ensure compliance, and cut manual intervention by 10%.
- Implemented a retry mechanism for content buffering and playback failures within Dockerized services, cutting operational risk by 15% and reducing buffering time by 10%.
- Developed and optimized custom algorithms with Spring Expressions for efficient message routing, enabling real-time Kafka-based content recommendation and enhancing platform stability.
- Enhanced user interface functionality through React, addressing client requirements and improving responsiveness and interaction flow for personalized recommendations.
- Designed and executed a Java-based migration script to manage content data transitions, reducing system downtime during content library updates by 20%
- Adopted Test-Driven Development (TDD) principles with JUnit, achieving a 40% reduction in production bugs and improving code reliability.

CODE QUEST

Vellore, India

SQL Developer Intern | SQL, Python, Data Extraction, Query Optimization, Performance Tuning

March 2021 – May 2021

- Optimized SQL queries, decreasing execution time by 25% and improving reporting efficiency by 30%.
- Automated data extraction scripts, saving 10 hours weekly and streamlining data management tasks.

PROJECTS

Kick Start-up | SpringBoot, MySQL, React JS, HTML, Material UI, Docker, AWS

- Developed a scalable microservices web app for startups, integrating 100+ REST APIs across 30+ services; leveraged Docker on AWS EC2 for containerization and automated testing of 30+ daily commits with Git, improving code consistency.

Inventory Management System | Java, Springboot, Angular, MYSQL

- Architected a microservices-based inventory system with REST APIs and Hibernate, enabling seamless vendor-based service allocation and data processing, achieving 100% test coverage with JUnit.

ADDITIONAL ACHIEVEMENTS

- Awarded **Best Intern Project** at Code Quest for innovative data extraction techniques, improving efficiency.
- Contributed to an academic paper in IJARESM on the application of NLP techniques for trend forecasting in the Fake News.
- Secured the 100 Days Badge on LeetCode by completing algorithm challenges and data structure problems daily.