

Venkata Sai Kiran Kureti

☎ 806-772-6757 | ✉ vsaikiran.kureti93@gmail.com | 🐙 [github/VSaiKirang3](https://github.com/VSaiKirang3) | in [venkat-k893](https://www.linkedin.com/in/venkat-k893) | 📁 Portfolio

EXPERIENCE

SOFTWARE ENGINEER | SOL IT SYSTEMS LLC

Aug. 2023 – Present | Irving, TX

- Architected and developed an e-commerce platform for internal client using Java, Spring, and J2EE, ensuring integration and performance optimization
- Pioneered performance enhancements for database interactions including order processing, inventory management, and customer account handling utilizing APIs, Hibernate ORM, JPA
- Led the transition to a microservices architecture, utilizing Docker and Kubernetes for containerization and orchestration, which improved deployment flexibility and scalability
- Leveraged serverless computing paradigms using AWS Lambda, to architect cost-effective backend solutions reducing overhead of web pages
- Employed JUnit's debugging features (e.g., breakpoints) to analyze failing unit tests, pinpoint root causes, and resolve software bugs, ensuring code correctness and reliability of transaction/checkout components
- Overhauled A/B testing methodologies to refine website layouts, product pages, and checkout processes, leveraging user behavior insights and performance metrics.

IT DEVELOPER/SOFTWARE ENGINEER | TEXAS TECH UNIVERSITY

Feb. 2022 – May 2023 | Lubbock, TX

- Spearheaded the development of a vulnerability assessment system and survey management system using Python, Java
- Integrated security tools by creating RESTful APIs for IP scanning and aggregated XML results to an organized format resulting in user readability
- Automated deployment of Azure VMs using shell scripts, increasing computing efficiency, and configured security groups(NSG) to control traffic
- Enhanced performance tuning by implementing database indexing and caching strategies, reducing execution times for retrieving survey history
- Conducted thorough code reviews on peers' pull requests, ensuring adherence to high standards in software implementation
- Troubleshooted and resolved system-related issues promptly to ensure minimal downtime and optimal system performance

SOFTWARE ENGINEER & CO-FOUNDER | BOTSEMBLE PVT. LTD.

Aug. 2020 – July 2021 | India

- Developed and optimized an AI-powered chatbot using Python and Java, leveraging Natural Language Processing (NLP) with NLTK for advanced sentiment analysis and user interaction
- Trained chatbot models using supervised and unsupervised learning algorithms, achieving a **93%** accuracy rate in understanding user queries
- Engineered scalable and robust backend services with Spring, integrating PostgreSQL to ensure efficient data handling and quick response times
- Collaborated closely with UI/UX teams to refine user interfaces, utilizing JavaScript to implement responsive designs and improve user experience,

PROJECTS

HACKER'S TOOL KIT | [GITHUB LINK](#)

- Devised a full-stack web app for vulnerability assessment and network scanning using Python and Django for backend development, integrated with OpenVAS and Nmap for security assessments

SKILLS

PROGRAMMING

Java • Python • C/C++ • JavaScript
SQL(PostgreSQL) • HTML/CSS

TOOLS

Git • Docker • JUnit • Azure • AWS
Pandas • Numpy • Linux • Postman

FRAMEWORKS

Spring • Spring Boot • JDBC • Django

MISCELLANEOUS

A/B testing • Collaborative-filtering
Requirement-gathering • Team player

EDUCATION

TEXAS TECH UNIVERSITY

M.S., IN COMPUTER SCIENCE

May 2023 | Lubbock, TX

GPA: 3.66/4

GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT (GITAM)

B.S., IN ELECTRONICS & COMMUNICATION

June 2021 | Visakhapatnam, India

GPA: 8.15/10

COURSEWORK

GRADUATE

Analysis of Algorithms
Operating Systems
Computer Architecture
Machine Learning
Pattern Recognition
Neural Networks

UNDERGRADUATE

Data Structures
Artificial Intelligence

CERTIFICATIONS

Google Analytics for Beginner | [Link](#)

AWARDS

Competitive Scholarship Fund of \$16K by Edward E. Whitacre Jr.
College of Engineering at Texas Tech University (2021-22 and 2022-23)