

Sai Sankar Bhuvanapalli

850-354-0461 | sankar156b@gmail.com | <https://www.linkedin.com/in/saisankarb/> | <https://github.com/saisankar20>

EDUCATION

Florida State University

Master of Science in Computer Science

Tallahassee, FL

Aug 2023 – May 2025

Jawaharlal Nehru Technological University, Hyderabad

Bachelor of Technology in Computer Science & Engineering

Hyderabad, India

Aug. 2017 – Jul 2021

TECHNICAL SKILLS

Programming Languages: Python, R, SQL, Java, PHP, TypeScript, JavaScript, Go, C++

Frameworks & tools: Spring boot, React, Node.js, AWS (Lambda, SQS, CloudFormation, Glue), OpenSearch (ElasticSearch)

Cloud: AWS (S3, RDS, CloudWatch, Step Functions), Serverless Architecture

Databases: PostgreSQL, MySQL, NoSQL, Semantic Data Stores (SPARQL), REDCap

Developer Tools: Microservices Architecture, Agile Methodologies, Secure Coding Practices

Visualization: Tableau, Power BI

EXPERIENCE

Data Intern

June 2024 – Dec 2024

Florida State University ITS

Tallahassee, FL

- Implemented and maintained data workflows, optimizing over 10,000 records with 99% accuracy, improving operational efficiency by 15%.
- Designed and delivered 5+ monthly data analysis reports with advanced visualizations, driving strategic decision-making.
- Conducted weekly audit cycles to ensure security standards compliance, enhancing data integrity and reliability.
- Developed and managed cron jobs to automate data updates and system monitoring.
- Contributed to performance optimization by refining workflows for capacity management and scalability.

Data Engineer

July 2021 – Aug 2023

Infosys

Hyderabad, India

- Developed cloud solutions using AWS CloudFormation, improving scalability by 30%, and migrated FTP pipelines to secure SFTP for enhanced data security.
- Engineered AWS Lambda functions to process over 1M database queries monthly, reducing query time by 25%, and created a monitoring pipeline that minimized system downtime by 40%.
- Implemented DynamoDB for scalable NoSQL storage, managed data archival processes, and ensured long-term storage efficiency and accessibility.
- Designed and developed a data pipeline using Java and Spring Boot, implementing data sorting and routing mechanisms that directed data to analytics platforms while archiving unused data in AWS S3, reducing processing overhead by 30%.

PROJECTS

Efficient Real-Time Analysis of Reddit Trends

Sep 2024 – Dec 2024

- Built a real-time data pipeline using AWS Glue to process Reddit API data for trend analysis.
- Applied the Count-Min Sketch algorithm for efficient keyword tracking, reducing memory usage.
- Developed dashboards to visualize insights, improving trend identification accuracy by 20%.

E-Commerce Analytics Dashboard

Sep 2023 – Dec 2023

- Designed and implemented a full-stack dashboard with Java (backend) and React (frontend) for customer purchase trend analysis.
- Integrated PostgreSQL databases with optimized queries, achieving a 30% reduction in processing time.
- Automated the deployment pipeline using Jenkins, ensuring a 95% deployment success rate.

Real-Time Notifications for Anomaly Detection

Sep 2023 – Dec 2023

- Created a real-time alerting system for workforce anomalies using AWS SNS.
- Developed an interactive user interface with ReactJS and TypeScript, improving issue resolution time by 30%.
- Collaborated with stakeholders to define system requirements and troubleshoot technical issues.