

DEEKSHITH SAGAR RANGAPURAM

(716)-907-5387 | deekshithsagar73@gmail.com | [LinkedIn](#) | [Portfolio](#) | New York

SUMMARY

Senior Software Engineer with expertise in developing technical solutions using Python, C, and Docker. Skilled in troubleshooting, testing, and optimizing performance across CI/CD pipelines, with experience in Jenkins and GitHub for DevOps and application development. Proficient in migration, unit testing, and shell scripting, with strong communication skills and a collaborative approach. Experienced in working with Linux, addressing infrastructure issues, and ensuring uptime and continuous integration. Adept at designing scalable architectures and solving complex problems, with a focus on quality assurance and product management.

EDUCATION

University at Buffalo, New York

(Master of Science in Computer Science- AI/ML)

Aug 2023-Dec 2024 (expected)

CGPA: 3.8/4(till now)

Institute of Aeronautical Engineering (affiliated to JNTU, Hyderabad)

2016-2020

(Bachelor of Technology in Computer Science and Engineering)

CGPA: 8.68/10

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C/C++, C#, Golang, MySQL, NoSQL, Mockito, Kafka, jQuery.
- **Web Technologies:** HTML/CSS, JavaScript, NodeJS, React, React Native, JSON, YAML, XML, Three.js, RESTful APIs.
- **Developer Tools:** Postman, Jira, Maven, GitHub, Junit, Docker, Kubernetes, Kanban, Selenium, Kafka, End-to-End Testing
- **Platforms:** AWS (EC2, S3, Lambda, RDS), Azure, Salesforce, MuleSoft, Postgres, DynamoDB, Clickhouse.
- **Frameworks:** SpringBoot, Flask, React, gRPC, GraphQL, Pandas, Numpy, Scikit-Learn, Streamlit, Express.js.
- **Cloud/DevOps:** AWS (EC2, S3, Lambda, RDS), GCP, Docker, Kubernetes, Terraform, CI/CD, Jenkins, ELK Stack).
- **Data Engineering:** Redis, Postgres, DynamoDB, Clickhouse, Python (Data Pipelines, ML), AWS Data Pipeline.

PROFESSIONAL EXPERIENCE

Research Assistant, University at Buffalo, New York

Feb. 2021 - Present

- Developed LLM to analyze vulnerabilities in enterprise repos, improving detection and remediation accuracy by 30%.

Software Developer (Intern), The Integrity Company, California

May. 2024 – Aug. 2024

- Automated Salesforce CRM workflows, improving operational efficiency by 70% and process automation.
- Built full-stack web application with React and Node.js for a dynamic job portal integrated with a Mysql database.

Senior Lead Engineer / Software Engineer, NTT Data (Apisero Inc), India

Aug. 2020 – Aug. 2023

- Developed MuleSoft-Datadog metrics connector, increasing job portal efficiency by 50% and saving \$300K annually.
- Led migration of 30% legacy APIs to scalable Salesforce UI APIs using RAML and OAS, improving scalability.
- Automated AWS deployments with Jenkins and Kubernetes, Implementing zero-downtime and security best practices.
- Boosted Salesforce-MSSQL sync efficiency by 90% using MuleSoft, saving \$100K annually with monitoring performance.
- Created CI/CD pipeline using GitLab and bash scripts, improving development flow and deploying to AWS and Kubernetes.
- Streamlined cloud integrations using MuleSoft connectors (JMS, HTTP, AWS S3, Workday, Slack) to enhance API flow.
- Improved data parsing and log publishing to Datadog, and Splunk, increasing system observability and performance.
- Optimized error handling in Python and DataWeave, reducing production errors by 20% through collaborative code review.
- Enhanced security by configuring OAuth, SAML, OKTA, DLB, VPC, Firewall, and IP subnets, ensuring compliance and customer service efficiency.

ACADEMIC PROJECTS

AI-Based Fake Image Detection System | React, Flask, PyTorch, AWS

Apr. 2024

- Developed full-stack app to detect AI-generated images using PyTorch and APIs deployed on EC2 with Datadog.

Fitness Portfolio System | React, Node.js, Docker, Kubernetes, AWS

Mar. 2024

- Created microservices-based fitness tracking system with user profiles and deployed with Docker and Kubernetes on AWS.

AI-Powered E-Commerce Recommendation System | React, Node.js, Python, TensorFlow, AWS

Aug. 2023

- Built TensorFlow recommendation engine integrated into a full-stack React-Node.js app.
- Deployed on AWS with EC2, VPC, and load balancers, improving customer retention by 20%.

Job Board Application | React, Node.js, REST APIs, AWS

Jan. 2022

- Built job board app integrating GraphQL, gRPC, and REST APIs on AWS using CI/CD pipelines and VPC for security.

ACHIEVEMENTS AND CERTIFICATIONS

- Earned 3X MuleSoft certified (MCIA, Developer, MCPA) focused on microservices and integrations.
- Virtusa Hackathon: Ranked among top 100 participants in national-level hackathon for developing Algorithms