

# Surya Sasank Oruganti

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## Skills

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**Languages:** C/C++, Java, Python, Flutter, JavaScript, TypeScript, SQL

**Technologies & Tools:** AWS, Azure, EC2, DynamoDB, S3, SQS, Lambda, Athena, Elasticsearch, Spark, Hive, Presto, Kubernetes, Docker, Splunk, Kafka, Spring, Angular, ReactJS, Nodejs, Tableau, Log Analysis

## Education

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**Anurag University Hyderabad**

Aug 2023 - Present

B.Tech in Computer Science and Engineering

**CGPA: 8.38/10**

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Warehouse & Data Mining, Advance Data Structures and Algorithms, Compiler Design, Big Data,

## Project Work

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- **Distributed Cloud-Native SaaS Platform (Azure-Focused) (2025):** This project involves building a scalable, multi-tenant SaaS application deployed on Azure using microservices architecture. The system handles user authentication, business logic, and data persistence while scaling automatically via containers and cloud services. Skills used include Azure (AKS/App Service), backend development, REST APIs, Docker, CI/CD, databases, and system design.
- **Intelligent Resume-to-Job Matching Engine (AI + NLP) (2025):** This project uses NLP and machine learning to semantically match resumes with job descriptions instead of relying on keyword filtering. It parses documents, extracts skills and experience, generates embeddings, and computes similarity scores to rank candidates with explainable insights. Skills used include Python, FastAPI, SpaCy, Sentence-BERT, machine learning, REST APIs, and full-stack integration.
- **Autonomous DevOps Agent (AI Agent Project) (2025):** This project builds an AI-driven DevOps agent that monitors CI/CD pipelines, detects failures, analyzes logs, and autonomously suggests or creates fixes via pull requests. The agent combines automation, reasoning, and cloud monitoring to reduce manual intervention in deployment workflows. Skills used include DevOps, GitHub Actions, cloud monitoring, Python, AI agents, LLM integration, and system automation.

## Awards and Certificates

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- Machine Learning and Deep Learning Specialization on Coursera
- Full Stack Web Development IT Professional Certification on Coursera