

SAI TEJA PAMU

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Professional Summary

AWS Certified AI Practitioner and aspiring Software Engineer pursuing a Bachelor's degree in Computer Science, with hands-on experience in cloud computing, data analytics and DevOps practices. Skilled in Python, SQL, AWS and automation tools, and currently training in AWS AI for Developers on real-time cloud projects.

Technical Skills

Programming Languages: Python, Java(Basics), JavaScript

Web Technologies: React.js, HTML, CSS, FastAPI, Node.js (Basic), REST APIs

Databases: SQL, MySQL, SQL Workbench

Cloud & DevOps: AWS (EC2, S3, VPC, CloudWatch, Lambda, Polly, DynamoDB), Docker, Terraform, Jenkins

Tools & Platforms: Git, GitHub, Linux, Unix, VS Code

Internships

Content Developer Intern, Digitowork

Sep 2025 – Dec 2025

- Created structured technical content including documents and eBooks.
- Performed SEO keyword research and optimized content based on performance metrics.

Data Analytics Intern, CodTech IT Solutions

Jan 2025 – Mar 2025

- Worked on data cleaning, analysis, and visualization using Python and Excel.
- Assisted in basic predictive modeling and interpretation of analytical results.

Projects

SDN-Driven Load Balancing for Cloud Networks

- SDN-Driven Load Balancing for Cloud is a software-defined networking (SDN) based project that implements intelligent load balancing in cloud environments.
- The project leverages centralized network control to dynamically distribute traffic across multiple servers, improving resource utilization, scalability, and network performance.

Medvault-AI

- MedVault AI is a full-stack application designed to help users securely store medical records and interact with them using Artificial Intelligence.
- By combining AES-256 encryption with Retrieval-Augmented Generation (RAG), the platform ensures that sensitive health data remains private while still being accessible for AI-driven analysis

AWS Infrastructure Automation Using Terraform and Jenkins

AWS, Terraform, Jenkins

- Built automated AWS infrastructure pipeline to remove manual setup and ensure consistent deployments.
- Implemented Infrastructure as Code (IaC) using Terraform for scalable cloud resource management.
- Integrated Jenkins CI/CD pipelines for automated build, test, and deployment workflows.

Prepare Training Data for Machine Learning with Minimal Code

AWS

- Designed AWS-based data pipeline for scalable machine learning dataset preparation.
- Automated data cleaning, transformation, and feature engineering using cloud and scripting tools.
- Generated structured training datasets to improve consistency and model performance efficiency.

Education

Amazon Cloud Institute (AWS) Certification, TalentSprint (Part of Accenture)

November 2025 – May 2026

BSMS Computer Science, Vishwa Vishwani Institute of Systems and Management

CGPA: 7 | 2022–2026

12th – Science (Medical), Shine Junior College

Percentage: 90.4 | 2019–2021

10th – Telangana, Aryabhatta Concept School

CGPA: 9.5 | 2019

Certifications

Oracle Gen AI Professional

2024

Fundamentals of Docker and Kubernetes – Scalar

AWS – Scalar

Python Programming – Cisco

Cisco – Data Science

Data Analytics – Cisco

Data Science – Cisco

Artificial Intelligence – IBM