

# PURANAM SUCHITH PAVAN

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## CAREER OBJECTIVE

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Aspiring Cloud Engineer with hands-on experience in AWS services such as EC2, S3, IAM, and Lambda, CloudWatch and a strong foundation in Python and web technologies. Seeking an entry-level cloud role where I can contribute to building secure, scalable, and cost-efficient cloud solutions while continuously enhancing my technical expertise.

## PROJECTS

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### Cloud Security Monitoring System on AWS

- Designed a real-time security monitoring solution to detect and alert on sensitive secret access using AWS CloudTrail, CloudWatch, and SNS.
- Converted API-level access logs into actionable metrics and alarms to enable proactive incident detection.
- Implemented automated email notifications for critical alerts, improving system observability and response time.

**Tools & Technologies:** AWS CloudTrail, CloudWatch, SNS, IAM, Secrets Manager.

### Serverless File Upload & Processing Application

- Built a fully serverless application where files uploaded to Amazon S3 automatically trigger AWS Lambda functions for validation and processing.
- Applied IAM role-based access control to secure cloud resources and enforce least-privilege policies.
- Used CloudWatch for logging and monitoring, ensuring reliability and easier debugging of serverless workflows.
- Achieved a scalable, cost-efficient architecture without managing servers.

**Tools & Technologies:** AWS (Lambda, S3, IAM, CloudWatch), Python, AWS Console

### AWS Infrastructure Provisioning using Terraform (IaC)

- Designed and provisioned AWS infrastructure using Terraform to automate resource creation and management instead of manual console setup.
- Implemented Infrastructure as Code for core AWS services including S3, IAM roles, and CloudWatch log groups to ensure consistency and repeatability.
- Used Terraform variables and state management to support reusable and environment-agnostic configurations.
- Improved deployment reliability and reduced manual configuration errors by adopting declarative infrastructure practices

**Tools & Technologies:** Terraform, AWS (S3, IAM, CloudWatch), AWS Console

## SKILLS

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- **Cloud Platforms:** EC2, S3, Lambda, IAM, CloudWatch, CloudTrail, VPC, IAM Policies
- **Containers & OS:** Docker (container fundamentals), Linux (CLI basics, file systems, permissions)
- **Programming Languages:** Python, JavaScript
- **Tools/Platforms:** Git, GitHub, VS Code, Linux Basics, Google Collab
- **Databases:** SQL, MongoDB
- **Infrastructure as Code:** Terraform (basic AWS infrastructure provisioning, variables, state management)
- **Professional Skills:** Adaptable and fast-learning professional with strong communication, documentation, and collaboration skills

## CERTIFICATIONS

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- Amazon Solution Architect Associate (AWS SAA-C03)

Issued on 2025 | **Credential link:** [link](#)

## EDUCATION

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### B.E. – Information Technology

Sri Venkateswara College of Engineering, Tirupati | **CGPA:** 6.2

**2018-2023**

### INTERMEDIATE (MPC)

Sri Chaitanya Junior College, Tirupati | **Percentage:** 76.1%

**2016-2018**

### SSC

Ratnam High School, Tirupati | **GPA:** 8.5

**2015-2016**