

# PURANAM SUCHITH PAVAN

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## CAREER OBJECTIVE

Aspiring Python developer skilled in clean coding, SQL query optimization, and database management. Familiar with Flask, REST APIs, Git, and Linux, with an AWS Solutions Architect Associate certification. Fast learner with strong problem-solving and teamwork skills.

## EDUCATION

### 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**

## PROJECTS

### Fraud Detection System

- Built an end-to-end fraud detection system to classify legitimate vs fraudulent transactions using **Python** and **machine learning** techniques.
- Used **SQL** for dataset preprocessing and **Flask** to expose predictions via a simple **REST API**.
- Implemented model training using **Scikit-learn** with techniques like feature scaling, encoding, and evaluation using precision, recall, and confusion matrix.
- Tech Stack:** Python, Pandas, NumPy, Scikit-learn, SQL, Flask, JavaScript, React | **Tools:** VS Code, Git | **Environment:** Google Colab.

### Automated Data Pipeline for Sales Reporting

- Developed a scheduled automation script that extracts data from CSV sources, cleans it using **Pandas**, and loads structured output into a **SQL** database.
- Improved processing time by automating repetitive tasks that previously required manual entry, resulting in 90% -time savings per cycle.
- Created summary analytics reports and dashboards to present trends such as monthly growth, recurring customers, and revenue patterns.
- Tech Stack:** Python, Pandas, SQL | **Tools:** Task Scheduler, VS Code | **Output:** Automated ETL + Reporting System

### AWS Serverless File Processing System

- Developed a fully serverless automation workflow using AWS Lambda and S3 to process uploaded files without manual intervention.
- Implemented role-based access control using IAM and configured CloudWatch monitoring to improve system reliability and scalability.
- Utilized Python for data handling logic, resulting in a faster, cost-efficient, and maintenance-free processing pipeline.
- Tech Stack:** AWS (Lambda, S3, IAM, CloudWatch), Python | **Tools:** AWS Console

## CERTIFICATIONS

- Amazon Solution Architect Associate (AWS SAA-C03)  
Issued on 2025 | **Credential link:** [link](#)

## SKILLS

- Programming Languages:** Python, HTML, CSS
- Tools/Platforms:** Git, Git hub, VS Code
- Databases:** SQL, MongoDB
- Libraries/Frameworks:** JavaScript, React, Express, Node.js, Pandas, NumPy, Scikit-learn
- Cloud & Concepts:** AWS (SAA Certified), REST APIs, Linux Basics