# PATNEEDI NAGA VENKATA SRI SAILAJA

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## OBJECTIVE

Aspiring software engineer with strong problem-solving skills, hands-on experience in backend development and AI projects, seeking impactful internship or entry-level opportunities to build scalable solutions.

## EDUCATION

Bachelor of Technology in CSE(AI&ML) — 2022 - 2026
Pragati Engineering College , Surampalem — CGPA : 9.01

## SKILLS

- **Languages:** Python, C, SQL
- **Concepts:** Data Structures and Algorithms , OOPs , DBMS, CN
- **Tools:** Git, VS Code, Google Colab , Pandas , Numpy
- **Database:** MySQL

## EXPERIENCE

**Intern – 1M1B Green Internship**                          May 2025 – June 2025
- Built a smart rainwater harvesting system using LSTM for rainfall prediction and Genetic Algorithms for optimization.
- Designed modular Python scripts and dynamic visualizations.
- Version-controlled using Git and collaborated in a remote development setup.

**AICTE – Google AIML Virtual Internship**                          July 2024 – Sep 2024
- Built supervised ML models using Python & Google Colab
- Completed projects on classification, prediction, and NLP

**Salesforce Developer Virtual Internship**                          Oct 2023 – Nov 2023
- Created custom cloud app using Apex, Visualforce & CRM platform
- Applied backend logic and integrated UI components in Salesforce

## PROJECTS

**Movie Genre Classification - *Code***
- Developed ML model to predict movie genres from plot summaries
- Applied TF-IDF & Logistic Regression, achieving high classification accuracy
- Visualized results using matplotlib & Streamlit dashboard

**SHL Recommender Deployment - *Code***
- Developed FAISS-based semantic search using Sentence Transformers
- Achieved Recall@3: 0.50 and MAP@3: 0.56 on evaluation dataset
- Deployed using FastAPI & Streamlit with clean user interface

**Flame Sensor IoT System - *Code***
- Built a fire detection system for smart homes using IR sensors with real-time alerts.

## CERTIFICATIONS

- Servicenow Certified System Administrator – Servicenow | July 2025
- AWS Academy Machine Learning Foundations – AWS | June 2025
- Cisco Certified Network Associate – Cisco Netacad | May 2025
- Salesforce Certified AI Associate – Salesforce | October 2024
- Google Cloud Computing Foundations – Google | August 2024

## ACHIEVEMENTS

- Won 1st Place at Talent Expo for Innovative Projects at Pragati Engineering College.
- Completed AICTE Virtual Internships with AWS, Google, Palo Alto, Juniper, and more

## EXTRA-CURRICULAR ACTIVITIES

- Coordinator - STRIDES'25 Technical Fest
- Chronic Disease Awareness Volunteer - Community Service Project