

C.V.N.S.S.Sarvan

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 Sarvan C |  Sarvan-0

Hyderabad, Telangana - 500007, India

OBJECTIVE

Computer Science scholar with applied experience in **machine learning, diffusion models, and data-driven software development**. Fascinated to develop feasible solution for the real world problems with the help of my technical skills.

EDUCATION

- **Geethanjali College of Engineering and Technology** 2023 – 2027
B.Tech in Computer Science and Engineering Cheeryal, India
 - GPA: 8/10.0 (Till 3-1)
- **Narayana Jr College (DNMD)** 2021 – 2023
Intermediate (MPC) Dilshuknagar, India
 - Marks: 949/1000

EXPERIENCE

- **Research Intern** Andhra Pradesh, India
National Institute of Technology Andhra Pradesh May 2026 – June 2026
 - Worked on **Single Image Generation using Diffusion Models** using PyTorch.
 - Implemented and experimented with **StructDiff** and **SinDiff**, including preprocessing, training, and hyperparameter tuning.
 - Evaluated generated images and documented experimental results.

PROJECTS

- **CryptoPulse** September 2026
Technologies: Python, Scikit-learn, FastAPI, React 
 - Built a cryptocurrency price-direction prediction system using **1-minute market data** for BTC, ETH, SOL, BNB, and XRP.
 - Worked on technical features and trained **Logistic Regression** models to predict cryptocurrency price direction over a **30-minute forecasting horizon**.
 - Implemented **rolling validation** and **walk-forward validation** to evaluate model generalization on unseen time periods.
- **Student Performance Predictor** August 2026
Technologies: Python, Pandas, Scikit-learn, Matplotlib 
 - Developed a machine learning system to predict student exam performance using academic and personal factors.
 - Applied **data preprocessing**, model training, and **model evaluation** using Scikit-learn to assess predictive performance.

SKILLS

- **Programming:** Python, C++, Java
- **Machine Learning:** PyTorch, Scikit-learn, Pandas, NumPy, Model Evaluation
- **Core CS:** Data Structures and Algorithms, OOP, DBMS, SQL
- **Tools:** Git, GitHub, Jupyter Notebook

LEADERSHIP EXPERIENCE

- **President** 09/2025 – 07/2026
The Game Smiths Club 
 - Led a student community and coordinated workshops, events, and collaborative projects.
 - Worked with students and faculty to organize and execute club activities.

ADDITIONAL INFORMATION

Languages: Telugu, English, Hindi, German (Basic), Spanish (Basic)

Interests: Machine Learning, Artificial Intelligence, Data Science, Software Engineering