

PATHURI NIRANJAN

TIRUPATI | ANDHRA PRADESH | 6304027416 | niranjanpathuri04@gmail.com

OBJECTIVE

Aspiring MCA graduate equipped with fundamental programming skills in C and Python ,and practical internship in Python development, digital marketing, and advanced Excel. Currently advancing skills via a Data Science course to contribute effectively in a professional environment through technical expertise and strong interpersonal abilities.

EDUCATION

Master of Computer Applications 2024 - 2026

SV College Of Engineering | Tirupati

CGPA : 8.5

Bachelor of Commerce (Computer Applications) 2021 - 2024

Emeralds Degree College | Tirupati

CGPA : 8.2

Intermediate (M.E.C) 2019 - 2021

SV Junior College | Tirupati

Percentage : 70.50%

S.S.C 2019

Geethanjali EM High School | Tirupati

CGPA : 9.7

PROJECT

Air Quality Index Forecasting Via Genetic Algorithm - Based Improved Extreme Learning Machine

Developed a machine learning system to forecast Air Quality Index (AQI) using a **Genetic Algorithm–optimized Improved Extreme Learning Machine (GA-IELM)**. The model leverages pollutant and meteorological data to achieve higher prediction accuracy compared to traditional ML methods.

- Designed an **AQI forecasting system** using **Genetic Algorithm–based Improved Extreme Learning Machine (GA-IELM)**.
- Performed **data preprocessing** including missing value handling, normalization, and outlier removal.
- Used **Genetic Algorithm** to optimize IELM parameters such as weights and hidden nodes.
- Evaluated model performance using **RMSE, MSE, and R² metrics**.

- Compared results with traditional ML models like **Random Forest, Decision Tree, AdaBoost, and KNN**.
- Implemented the system using **Python** with data analysis and ML libraries.

INTERNSHIPS

Data Science – Internshala

Jul 2025 – Sep 2025

- Gained hands-on experience in data analysis, statistical techniques, and data visualization tools such as Tableau
- Developed proficiency in Python programming for data manipulation and machine learning, including libraries like Pandas, NumPy, and Scikit-learn
- Improved data processing and automation using advanced Excel features including pivot tables, VLOOKUP/HLOOKUP, macros, and data visualization tools.

Python Programming – CodTech IT Solutions

Jul 2025 – Sep 2025

- Gained Practical Experience in Python Programming

Digital Marketing – Halfpe.com

Jan 2024 – May 2025

- supported Digital Marketing Campaigns and analyzed Campaign Data

SKILLS

- Python
- C
- MS Office
- Data Science
- Advanced Excel

HOBBIES

- Watching Movies
- Playing Cricket
- Reading Fictional Books

LANGUAGES KNOWN

- English
- Telugu
- Hindi