

# KALYAN RAM GOPARABOINA

Computer Science Graduate | Telangana, India  
+91 8106142645 | goparaboinakalyanram@gmail.com  
kalyanramgoparaboina.in | LinkedIn | GitHub

## PROFESSIONAL SUMMARY

Computer Science Engineering graduate with strong programming skills in Python and SQL. Experienced in building applications, working with databases, and developing data-driven solutions using object-oriented programming principles. Proficient in data analysis, including data cleaning, exploratory data analysis (EDA), and visualization using Pandas, NumPy, Matplotlib, and Seaborn. Familiar with machine learning concepts such as regression and classification models using Scikit-learn, along with exposure to Generative AI and prompt engineering. Seeking an entry-level role in Software Development, Data Analysis, or Data Science to contribute to scalable and efficient solutions.

## EDUCATION

|   |                          |
|---|--------------------------|
| <b>Bachelor of Engineering in Computer Science and Engineering</b><br>Kamala Institute of Technology and Science, Telangana (JNTUH) | 2021 – 2025<br>CGPA: 6.5 |
| <b>Intermediate (MPC)</b><br>SR Junior College, Telangana   | 2019 – 2021<br>GPA: 8.6  |
| <b>Secondary Education (SSC)</b><br>Saketha High School, Telangana  | 2018 – 2019<br>CGPA: 9.0 |

## TECHNICAL SKILLS

**Programming:** Python, SQL, HTML, CSS, JavaScript, Object-Oriented Programming (OOP)  
**Data Analysis:** Pandas, NumPy, Data Cleaning, Exploratory Data Analysis, Feature Engineering, Statistical Analysis  
**Machine Learning:** Regression, Classification, Natural Language Processing (NLP), Model Evaluation  
**Generative AI:** Large Language Models (LLMs), Prompt Engineering  
**Data Visualization:** Matplotlib, Seaborn, Tableau  
**Cloud & Tools:** AWS (S3 - Basic), Git, GitHub, VS Code, Jupyter Notebook  
**Databases:** MySQL

## PROJECTS

### Solar Power Generation Prediction

<https://github.com/KalyanRamGoparaboina/Solarpowergeneration>

- Analyzed historical solar power generation data using Python, Pandas, and NumPy to identify trends, seasonal patterns, and performance variations.
- Developed a machine learning model using Random Forest Regression to predict solar power generation based on environmental factors such as temperature and solar irradiation.
- Achieved an  $R^2$  score of 0.94 and approximately 92% prediction accuracy, demonstrating strong model performance.

### Resume Classification using Machine Learning

<https://github.com/KalyanRamGoparaboina/Resume-Classification>

- Processed and structured resume datasets using Python, Pandas, and SQL for skill extraction and role classification.
- Applied NLP techniques and machine learning models such as Naive Bayes and Support Vector Machine (SVM) for automated resume classification.
- Achieved a classification accuracy of 91% with an F1-score of 0.90 through effective preprocessing and feature engineering.

## INTERNSHIP EXPERIENCE

### Data Science Intern - AI Variant - Remote (6 Months)

- Collected, cleaned, and preprocessed structured datasets using Python and Pandas to ensure data quality and reliability.
- Performed Exploratory Data Analysis (EDA) using Pandas, NumPy, and Matplotlib to identify trends and patterns.
- Developed and evaluated machine learning models, including regression and classification algorithms, to generate predictive insights.
- Applied feature engineering techniques to improve model performance and prediction accuracy.
- Created data visualizations and dashboards using Matplotlib to communicate insights and support data-driven decision-making.

## CERTIFICATIONS

- Data Science using Machine Learning with R and Python – ExcelR Solutions
- Generative AI Certification – Oracle University
- Data Science using Machine Learning – Brain O Vision
- AI Vector Search Certification – Oracle University
- Python Full Stack – Brain O Vision