

KALYAN RAM GOPARABOINA

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PROFESSIONAL SUMMARY

Computer Science Engineering graduate with hands-on experience in Python, SQL, and data science through academic projects and internships. Skilled in Exploratory Data Analysis, statistical analysis, data visualization, and machine learning techniques including regression and classification. Experienced in working with structured datasets, performing data preprocessing, feature engineering, and building data-driven solutions to support analytical decision-making. Strong foundation in software development and database management, seeking an entry-level Software Engineer, Data Analyst, or Data Scientist role.

EDUCATION

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

TECHNICAL SKILLS

Programming: Python, SQL, JavaScript, HTML, CSS, Object-Oriented Programming (OOP)

Data Analysis: Pandas, NumPy, Data Cleaning, EDA, Feature Engineering

Machine Learning: Regression, Classification, Natural Language Processing (NLP)

Tools: Git, VS Code, Jupyter Notebook

Databases: MySQL

PROJECTS

Solar Power Generation Prediction

github.com/KalyanRamGoparaboina/Solarpowergeneration

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

Resume Classification using Machine Learning

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 SVM for automated resume categorization.
- 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 for analysis.
- Performed Exploratory Data Analysis (EDA) to identify trends, patterns, and relationships within the data using statistical techniques.
- Developed and evaluated machine learning models including regression and classification to generate predictive insights.
- Applied feature engineering techniques to improve model performance and prediction accuracy.
- Created data visualizations and analytical 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 Professional – Oracle University
- Data Science using Machine Learning – Brain O Vision
- Python Essentials – Cisco Networking Academy
- Python Full Stack - Brain O Vision