

KALYAN RAM GOPARABOINA

Computer Science Engineering Graduate — Telangana, India

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PROFESSIONAL SUMMARY

Computer Science Engineering graduate with expertise in Python, Machine Learning, Data Science, and Data Analytics. Engineered and deployed regression and classification models, anomaly and fraud detection pipelines, OCR, and NLP solutions. Skilled in data visualization, exploratory data analysis, and building interactive dashboards using Streamlit and Flask. Experienced in translating complex datasets into actionable insights for real-world business solutions. Portfolio and projects available online for reference.

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 Languages: Python, SQL

Data Science Tools: Pandas, NumPy, Matplotlib, Power BI, Tableau, Microsoft Excel

Machine Learning Frameworks: Scikit-learn, Gradient Boosting, Isolation Forest, OCR, NLP

Web & Databases: HTML, CSS, JavaScript, Flask, REST API, MySQL

Development Tools: Git, Streamlit, Cloud Deployment, VS Code

PROJECTS

Solar Power Generation Prediction using Machine Learning — Python, Scikit-learn, Streamlit

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

- Optimized regression models for solar power prediction, achieving over 90% accuracy
- Conducted exploratory data analysis to identify key environmental factors
- Deployed the solution using Streamlit Cloud with real-time interactive dashboards

Resume Classification System — Python, Machine Learning, NLP

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

- Built a machine learning-based resume classification system using NLP and TF-IDF for automated resume screening

Invoice Fraud Detection System — Python, Machine Learning

<https://github.com/KalyanRamGoparaboina/Invoice-Fraud-Detection>

- Engineered an AI-powered fraud detection system using Isolation Forest and Gradient Boosting algorithms
- Analyzed 100+ transaction variables to detect duplicate invoices and anomalous patterns
- Implemented real-time fraud risk scoring, reducing manual verification effort by 70%

Bus Booking Web Application — Python, Flask, SQL

<https://github.com/KalyanRamGoparaboina/Bus-Booking-System>

- Architected a full-stack web application with real-time seat availability and secure authentication
- Integrated backend APIs and database for reliable booking operations

INTERNSHIP EXPERIENCE

Data Science Intern (6 months) — AI Variant — Remote

- Executed end-to-end data science workflows including preprocessing, feature engineering, model training, and evaluation for 2+ real-time projects
- Developed interactive dashboards and visualizations reducing report generation time by 50%

Networking Intern (3 months) — Juniper Networks — Virtual

- Gained hands-on experience with routing, switching, and enterprise network architecture
- Implemented network security best practices, reducing configuration errors by 20%

CERTIFICATIONS

- Data Science using Machine Learning with R and Python – ExcelR Solutions
- Generative AI Professional – Oracle University
- Data Science and Machine Learning – Brain O Vision
- AI Vector Search – Oracle University
- Python Full Stack Development – Brain O Vision
- Python Essentials – Cisco Networking Academy