KANDENA SIVA PRASAD

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Portfolio GitHub LinkedIn

Bachelor of Technology
Bapatla Engineering College

CAREER OBJECTIVE

Aspiring Data Scientist with hands-on experience in Machine Learning, Data Preprocessing, and Visualization. Skilled in Python, Scikit-learn, and Tableau for developing predictive and analytical models. Seeking an entry-level opportunity to apply data-driven insights for solving business problems.

EDUCATION

- Bachelor of Technology in Information Technology. 2021-2025
  Bapatla Engineering College, Bapatla, Andhra Pradesh. CGPA:8.04
- Board of Intermediate Education. 2019-2021
  Narayana Junior College, VSKP, Andhra Pradesh. MARK:956
- Board of Secondary Education. 2018-2019
  Sri Sai Niketan High School, Andhra Pradesh. CGPA: 9.5

TECHNICAL SKILLS

- Programming: Python ,C ,Pandas ,Scikit-learn
- Data Science & Analytics: Machine Learning, Data Preprocessing, Feature Engineering
- Visualization: Tableau, Matplotlib, Seaborn
- Web Technologies: HTML, CSS, JavaScript(Basics)
- Databases: MYSQL
- Tools & Frameworks: Jupyter Notebook ,Selenium, MS Excel, Git, Django, Google Colab

INTERNSHIPS & TRAINING

- Data Science Using Python-(Internshala) | May 2023
  - Explored data analysis, machine learning, and visualization techniques
  - Worked on real-world datasets using Pandas, NumPy, and Matplotlib
- Robotic Process Automation (RPA) – (UI Path Academy) | April 2023
  - Learned automation workflows, bot development, and process optimization
- Java Full Stack Development-(SkillDzire) | April 2024
  - I gained hands-on experience in Java, Spring Boot, REST APIs, and MySQL.
- Python Programming & Development –(INNOVATE)| Feb 2025
- Data Science –(EXCELR) | September 2025
  - Built multiple supervised and unsupervised ML models during the Training at Excelr using **Pandas and Scikit-learn**

PROJECTS

- **Deposit Term Investment Analysis** (May 2023 - July 2023)
  - Built a predictive ML model to classify customer term deposit subscriptions using **Python, Pandas, Scikit-learn**.
  - Performed **data preprocessing, feature engineering, and model evaluation** to improve accuracy.
  - Delivered actionable insights that can support marketing and customer targeting strategies.
  - **Tools & Technologies Used:** Python, Pandas, Scikit-learn, Jupyter Notebook
  - **Project Link:-** LIVE-DEMO

- **Payment Fraud Detection(Ongoing):**
  - Working with a large-scale dataset of 6 million+ financial transactions simulating 30 days of payment activity, including transaction types like CASH-IN, TRANSFER, PAYMENT, and CASH-OUT.
  - Performing **exploratory data analysis (EDA)** and **feature engineering** on time-based, transaction-type, and balance-related variables to identify fraud patterns and anomalies.
  - Building and **tuning Machine Learning models** (e.g., Random Forest, XGBoost) for **binary classification** of fraudulent vs. legitimate transactions using imbalanced data handling techniques (SMOTE, under sampling).
  - Evaluating model performance using **ROC-AUC, Precision-Recall, and F1-score**, and optimizing detection thresholds to reduce false positives and improve fraud detection accuracy.
  - Tools & Technologies Used: Python, Pandas, Scikit-learn, Jupyter Notebook
- **Customer Segmentation using Clustering(**Oct 2025 -Nov 2025)
  - Performed EDA and feature engineering on customer demographics and spending data to uncover behavioral patterns.
  - Applied **K-Means, Hierarchical, DBSCAN,OPTICS and Gaussian mixture** algorithms with **scaling, encoding, and PCA** for dimensionality reduction and visualization.
  - Identified key segments like **premium buyers**, **deal-seekers**, and **family-oriented shoppers** to support **targeted marketing strategies**.
  - Evaluated cluster quality using **silhouette scores** and derived actionable insights for improving customer engagement.
  - **Tools & Technologies:** Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn.
  - **Project Link:-**LIVE-DEMO

SOFT SKILLS

- Problem-Solving & Analytical Thinking
- Strong Communication & Collaboration
- Adaptability & Self-Learning

ACHIEVEMENTS & EXTRACURRICULARS

- Participated in coding & Quiz competitions
- Solving problems on LeetCode, strengthening problem-solving and algorithmic thinking.