KANDENA SIVA PRASAD

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Bachelor of Technology
Bapatla Engineering College

Portfolio GitHub LinkedIn

CAREER OBJECTIVE

Entry-level Data Scientist skilled in Machine Learning, Statistical Analysis, Data Preprocessing, and Model Development using Python, Pandas, NumPy, and Scikit-learn. Experienced in building predictive models, performing EDA, and visualizing insights using Tableau and Matplotlib. Seeking opportunities to apply data- driven solutions to real-world 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 MARKS:956

- Board of Secondary Education. 2018-2019
  Sri Sai Niketan High School, Andhra Pradesh. GPA:9.5

TECHNICAL SKILLS

- Programming: Python ,SQL
- Machine Learning: Classification, Regression, Clustering, Feature Engineering, PCA, Time-Series
- Tools & Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- Data Visualization: Tableau
- Web Technologies: HTML, CSS, JavaScript
- 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 .

PROJECTS

- **Deposit Term Investment Analysis** (May 2023 - July 2023)-LIVE-DEMO
  - 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

- **Photo-Buddy (self):**LIVE-DEMO
  - Designed and developed a social chat platform using Django, featuring multiple chat rooms and ORM-based database management with PostgreSQL.
  - Integrated secure user authentication and authorization workflows for personalized chat experiences.
  - Integrate paid on-demand camera services, allowing users to book nearby photographers at affordable rates and avoid overpriced tourist spots.
  - Streamlined deployment on Render cloud platform, ensuring smooth and reliable app performance.
  - Planned future enhancements including real-time photo sharing to expand community interaction.
  - **Tools & Technologies Used:** Python, Django, HTML, CSS, Java Script, Git & GitHub

- **Customer Segmentation using Clustering(**Oct 2025 -Nov 2025)-LIVE-DEMO
  - 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.

- **Payment Fraud Detection(Ongoing):**
  - Analyzed 6M+ financial transactions across multiple payment types (CASH-IN, TRANSFER, PAYMENT, CASH-OUT) to identify fraud patterns through EDA and feature engineering.
  - Built and optimized ML models (Random Forest, XGBoost) using SMOTE and under sampling to handle class imbalance, achieving high fraud detection accuracy.
  - Evaluated models using ROC-AUC, Precision-Recall, and F1-score metrics to minimize false positives and improve detection thresholds.
  - **Tools & Technologies**: Python, Pandas, Scikit-learn, XGBoost, Jupyter Notebook

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.