

Jay Rameshbhai Kacha

Data science

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Data Science Intern with a strong foundation in machine learning, data analysis, and model development. Experienced in building predictive models, preprocessing large datasets, and leveraging algorithms for real-time fraud detection. Proficient in Python, Scikit-learn, and data visualization tools. Previously worked as an Android Developer for one year, bringing a unique blend of problem-solving and software development skills to the table. Passionate about applying data-driven insights to solve complex business challenges

Key Skills

- **Programming Languages:** Python, SQL, Java, etc.
- **Tools/Frameworks:** TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, etc.
- **Data Analysis:** Statistical Analysis, Data Visualization.
- **Machine Learning:** Supervised/Unsupervised Learning, Model Evaluation
- **Databases:** MySQL - Workbench

Project

Fraud Detection Analysis for Machine Learning

Developed a machine learning model to enhance the accuracy of detecting fraudulent mobile financial transactions in real-time, using advanced classification algorithms and hyperparameter tuning to optimize performance

Technologies and Tools :

- **Languages:** Python
- **Libraries:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- **Algorithms:** Logistic Regression, SVC, Random Forest, Decision Tree
- **Tools:** Jupyter Notebook, Git

Results : Achieved a model accuracy of 0.99% and precision of 1.00% in detecting fraudulent transactions

Education

Data science & Artificial intelligence Year - 2024
Boston institute of analytics

Bachelor of Computer Application Year - 2023
Saurashtra University

Higher Secondary School Year - 2020
Gujarat secondary and higher secondary education

Secondary school Certificate Year - 2018
Gujarat secondary and higher secondary education

Certifications

- Android Development Internship
- Data science
- Artificial intelligence