

# Jay Rameshbhai Kacha

## Data scientist Intern

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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

<b>Data science &amp; Artificial intelligence</b> Boston institute of analytics	Year - 2024
<b>Bachelor of Computer Application</b> Saurashtra University	Year - 2023
<b>Higher Secondary School</b> Gujarat secondary and higher secondary education	Year - 2020
<b>Secondary school Certificate</b> Gujarat secondary and higher secondary education	Year - 2018

## Certifications

- Android Development Internship
- Data science
- Artificial intelligence