

# VIJAY RAKKAIAH

## PROFILE SUMMARY:

Data Science professional skilled in Python, data analysis, machine learning, deep learning, and data visualization. Completed GUVI's Advanced Data Science Certification with strong hands-on experience in building end-to-end ML pipelines, model evaluation, and data storytelling. Solved 250+ coding problems on GUVI CodeKata with consistent daily practice. Passionate about deriving insights from data, developing intelligent models, and building real-world applications.

## TECHNICAL SKILLS:

- **Programming & Libraries:** Python, Pandas, NumPy, Scikit-learn, PyTorch, OpenCV
- **Databases:** MySQL
- **Machine Learning:** Regression, Classification, Clustering, Model Evaluation, Feature Engineering
- **Deep Learning:** CNNs, Transfer Learning (ResNet50)
- **Visualization & BI:** Matplotlib, Seaborn, Plotly, Power BI
- **Tools & Platforms:** Jupyter Notebook, Google Colab, Streamlit, Git, GitHub

## ORGANISATIONAL DETAILS:

- Hinduja Tech Limited, Chennai – Senior Engineer (Feb 2023 – Present)
- Expleo Technologies India Pvt. Ltd., Chennai – Engineer (Dec 2020 – Sep 2022)
- VEDS Pvt. Ltd., Bangalore – Design Engineer, (Aug 2019 – Dec 2020)

## PROJECTS:

- **Brain Tumor MRI Classification (CNN + Transfer Learning)**  
Developed a 4-class MRI tumor classifier using PyTorch and ResNet50. Implemented data augmentation, model tuning, and accuracy evaluation.
- **Fake Job Posting Detection (NLP + ML)**  
Built TF-IDF + logistic regression model to classify fraudulent job postings with preprocessing and vectorization.
- **TripFare — Taxi Fare Prediction**  
Created ML regression model with feature engineering and XGBoost/RandomForest for fare prediction.
- **Nutrition Paradox — Exploratory Data Analysis**  
Performed EDA on global obesity/malnutrition datasets with correlation and trend visualizations.
- **Shopper Spectrum — Customer Segmentation**  
Applied K-Means and PCA to segment customers and generate actionable insights.
- **NASA NEO Analysis**  
Analyzed Near-Earth Objects data and visualized orbital trends and risk metrics.

## CONTACT DETAILS

E-Mail: [vijay.rakkaiah@gmail.com](mailto:vijay.rakkaiah@gmail.com)

Mobile: **+91-9976111659**

GitHub:

<https://github.com/VijayRakkaiah>

Portfolio:

<https://vijayrakkaiah.github.io/Portfolio/>

## SKILLS:

Python, MySQL, Data Analysis, ML, DL

## EDUCATIONAL DETAILS:

BE in Mechanical Engineering from R.V.S Educational Trust Group of Institution, Dindigul

## CERTIFICATION:

- ✓ Advanced Professional Certification in Data Science — GUVI (2025)
- ✓ Master Data Science Program — GUVI (Apr 2025 – Jun 2025)
- ✓ Python Programming Certification — GUVI (May 2025)

## ACHIEVEMENTS:

- Solved 250+ Python problems on GUVI CodeKata
- Daily practice of coding and ML problem-solving

## PERSONAL MINUTE:

Date of Birth: 01 June 1996

Address: Alagapuri, Kottaiyur Town, Karaikudi, TN 630106

Languages known: English, Tamil and Kannada

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