

# Shreyansh Shakya

Data Scientist Intern — Python, SQL, EDA, Machine Learning

Banswara, Rajasthan, India

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## Technical Skills

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**Programming & Data Analysis:** Python (Pandas, NumPy, Scikit-learn), SQL (Joins, Sub-queries, Aggregations), Jupyter Notebook

**Statistics & Analytics:** Exploratory Data Analysis (EDA), Hypothesis Testing, Regression Analysis, Feature Engineering

**Machine Learning:** Supervised Learning, Random Forest, XGBoost, Model Evaluation (RMSE, MAE, Accuracy)

**Visualization & Tools:** Tableau, Matplotlib, Seaborn, Git, GitHub, VS Code

## Projects

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### Weather Prediction System

*Python, Pandas, Scikit-learn, XGBoost*

- Processed a **90+ GB dataset** containing **10 years of historical weather data from 4,500+ cities**.
- Trained city-specific **XGBoost regression models** and designed a dynamic inference pipeline for temperature prediction using RMSE and MAE.
- Exposed models via a basic REST API and interactive UI (FastAPI, Gradio); containerized the inference pipeline using Docker.

### Speech Emotion Detection

*Mar 2025 – Jul 2025*

*Python, TensorFlow*

- Built an end-to-end audio analytics pipeline using MFCC feature extraction and supervised emotion classification.
- Achieved **72% classification accuracy**; research paper accepted at the Intl. Conference on Data, Energy and Communication Networks (DECON).

## Experience

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### AI Research Intern

*Apr 2025 – Jul 2025*

*Coding Jr — Remote*

- Analyzed data from 50+ prospective clients to identify user pain points and inform product feature prioritization.
- Created data-driven technical presentations, increasing client engagement by **15%**.
- Conducted competitive analysis across five market players to support strategic decision-making.

## Education

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### Bachelor of Technology in Computer Science and Engineering

VIT Bhopal University

*Expected Jun 2027*

## Certifications

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Oracle Certified Data Scientist — AWS Educate: Introduction to Cloud 101 — NPTEL: Introduction to Machine Learning

## Leadership & Extracurricular

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Organizer – IEEE CSNT Conference 2025 (300+ attendees); Team Lead – Cooking and Feasting Club (200% increase in event attendance, 90% retention).