

Shreyansh Shakya

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

Banswara, Rajasthan, India

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Technical Skills

Programming & Data Analysis: Python (Pandas, NumPy, Scikit-learn), SQL (Joins, Subqueries, 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

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

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

Bachelor of Technology in Computer Science and Engineering

VIT Bhopal University

Expected Jun 2027

Certifications

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

Leadership & Extracurricular

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