

Brahm Dev

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Professional Summary

Final-year Computer Science and Engineering student specializing in Artificial Intelligence and Machine Learning. Strong in Python, data analysis, and core machine learning algorithms, with experience in building, evaluating, and optimizing predictive models. Focused on applying AI/ML techniques to real-world problems and continuously advancing expertise in data-driven systems.

Technical Skills

Programming & Data: Python, SQL, C++(OOP), NumPy, Pandas

Data Analysis & Tools: Exploratory Data Analysis (EDA), Matplotlib, Seaborn, Jupyter Notebook, Git, GitHub

Machine Learning & AI: Supervised and Unsupervised Learning, Regression, Classification, Clustering, Feature Engineering, Model Evaluation, Neural Networks

Mathematical Foundations: Linear Algebra, Probability, Statistics

Projects

FlanQuery – AI-Powered Question Answering System [\[GitHub\]](#)

- Built an end-to-end RAG NLP system using Flan-T5-Large, achieving 90%+ factual accuracy on queries.
- Processed 50+ PDFs into embeddings using LangChain for scalable ingestion.
- Integrated FAISS vector search, reducing latency to <500 ms and improving relevance by 40%.
- Deployed an interactive conversational AI handling 100+ queries per session with grounded responses.

RealtyPrice Predictor – Machine Learning Regression System [\[Web Link\]](#)

- Preprocessed 5,000+ real estate records, applying encoding and scaling to improve convergence by 15%.
- Trained a Gradient Boosting Regressor, achieving $R^2 = 0.88$ with MAE 15,000.
- Optimized performance using GridSearchCV across 30+ hyperparameter combinations.
- Identified key price-driving features through feature importance analysis.

CricAnalysis – Women's Premier League Data Analytics [\[GitHub\]](#)

- Analyzed 500+ match records to evaluate player performance across batting and bowling metrics.
- Computed 10+ KPIs including strike rate, average, scoring rate, and economy.
- Automated analysis using Python, Pandas, NumPy, and Matplotlib, reducing effort by 60%.
- Generated insights on player consistency across matches and conditions.

Education

VIT University, Bhopal

Sep 2022 – May 2026

Bachelor of Technology in Computer Science and Engineering

CGPA: 7.94/10.0

Experience

Sciaiku Pvt Ltd (AI/ML Intern)

Dec 2024 – Feb 2025

- Forthcoming role contributing to full-stack projects serving 10K+ users, enhancing features for 20% better performance, and collaborating with an agile team of 8–10 members to meet deadlines.

Positions of Responsibility

Technical Team Member -IOS CLUB

- Successfully Managed Game Flix 2.0- Treasure Hunt in ADVITYA 2024 of VIT Bhopal University
- Maintained Club's Website

Event Manager -VITronix

- Lead and coordinated events with over 200 participants, ensuring smooth operations and engagement.
- Successfully organized three major events, demonstrating teamwork and strategic planning skills.

Languages and Interests

Languages: English (Fluent), Hindi (Native)

Interests: Cricket strategy analysis, English and Hindi literature, contributing to open-source communities, and exploring emerging technologies in AI/ML space.