

KESHAV SHARMA

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Professional Summary

Data Science undergraduate specializing in Machine Learning and Deep Learning with hands-on experience building end-to-end ML pipelines on large-scale datasets. Strong foundation in neural networks, model evaluation, and statistical learning, with applied experience across financial risk modeling and scientific data analysis. Winner of NASA Space Apps Challenge for applied data science.

Education

- VIT AP UNIVERSITY, India** **Sept 2023 – Aug 2027**
Branch – Computer Science and Engineering, specialised in Data Analytics | CGPA: **8.2**
- SHIVALIK PUBLIC SCHOOL, India** **2022**
Class 12th Aggregate: 82.2%

Skills

- Programming:** Python, Java, C/C++, R, SQL
- Machine Learning :** Scikit-learn, XGBoost, Random Forest, Logistic Regression, Feature Engineering, Model Evaluation, Cross-Validation
- Deep Learning :** Neural Networks, Feedforward Networks, Backpropagation, CNNs, TensorFlow, Keras
- Databases:** MongoDB, SQLite, ChromaDB, RedisDB, MonetDB
- Data Processing and Analytics :** Pandas, NumPy, ETL Pipelines, Data Cleaning, Exploratory Data Analysis (EDA)
- Core & DevOps :** Data Structures & Algorithms, Data Engineering, System Design, Git, GitHub, Docker, AWS

Projects

- Bank Fraud Detection System** | link - [Project Link](#)
 - Built a scalable ML pipeline on **6.3M+ transactions** using feature engineering and XGBoost for fraud classification.
 - Improved fraud detection **F1 score by ~20%** and deployed a Flask dashboard for real-time risk monitoring.
- SeismoSearch – NASA Space Apps Challenge Winner** | link - [Project Link](#)
 - Applied machine learning and data analytics to analyze **lunar and Martian seismic time-series datasets**.
 - Achieved **~25% higher quake detection accuracy**, winning “**Best Use of Science**” at NASA Space Apps.
- AmbedkarGPT 2.0 (RAG-Based AI System)** | link - [Project Link](#)
 - Built a domain-specific **retrieval-augmented data pipeline** using semantic chunking and vector embeddings.
 - Improved response relevance and faithfulness through optimized retrieval and embedding strategies.

Experience

- Data Science Intern - Sabudh Foundation **Jan 2025 - April 2025**
Built and evaluated **ML and deep learning pipelines** in Python and TensorFlow on real-world datasets.
Performed **EDA and feature analysis on 100K+ records** to support model tuning and evaluation.
Developed **dashboards** that reduced manual analysis effort by **~30%**.

Certificates

- IBM - Data Science Professional Certificate **December 27, 2024**
- Machine Learning Specialization - DeepLearning.AI **January 2, 2026**
- Advanced Machine Learning Models – DeepLearning.AI **November 1, 2025**
- AWS Certified Cloud Foundations and Architecture **November 10, 2025**

Leadership and Achievements

- President – SEDS Aurora (Space Club, VIT-AP) **Jun 2025 – Present**
- Winner – NASA Space Apps Challenge (Best Use of Science) **November, 2024**