ABHISHEK

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Objective

Final-year B.Tech CSE student specializing in Machine Learning and Data Science. Skilled in Python, TensorFlow, and Scikit-learn with hands-on experience building and deploying ML solutions. Seeking an internship to apply expertise in deep learning, NLP, and model optimization to real-world problems.

Education

B.Tech in Computer Science Engineering
KC Group of Research and Professional Institute, Pandoga(UNA , H.P) Final Year
Expected Graduation: July,2026

Certifications

- Supervised Machine Learning: Regression and Classification - *Stanford University (Coursera)*
- Advanced Learning Algorithms - *Stanford University (Coursera)*
- Unsupervised Learning Algorithms - *Stanford University (Coursera)*

Projects

Car Price Prediction Model
Built a machine learning model using Random Forest to predict car prices based on features like brand, year, engine volume, and mileage, achieving 78% accuracy on a dataset of 19,000+ car listings.
Technologies: Python, Scikit-learn, Pandas, NumPy, matplotlib , seaborn, HTML , CSS , JavaScript, Render.

Sentiment Analysis
A high-performance text classification project that uses the efficient TF-IDF Vectorizer combined with a robust Logistic Regression model to classify Amazon reviews as either positive or negative. 85.12% mean cross-validation accuracy.
Technologies: Python, Scikit-learn, Pandas, NumPy , matplotlib , seaborn

Air Quality Dashboard
This is a Streamlit web app that visualizes air quality data collected from over 150+ monitoring sensors across India. It provides users with interactive map and chart views for analyzing pollution levels like PM25, PM10, O2, NO2, CO, SO2, and more.
Technologies: Python, Pandas, DuckDB , DBeaver ,Plotly ,streamlit.

RAG ChatBot
Built a Retrieval-Augmented Generation chatbot for document Q&A, integrating PGVector + Redis for semantic retrieval, reducing query time by 30%. Deployed on Render with Flask backend.
Technologies: Python, Supabase , PGvector , Redis , Render , HTML , CSS , JavaScript , Embedding.

Skills

- **Programming & Databases:** Python, SQL, C/C++, Java, PostgreSQL, MongoDB, Redis
- **Frameworks & Libraries:** TensorFlow, NLTK ,Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Streamlit.
- **Tools & Platforms:** Flask, Docker, Git & GitHub, VSCode, JupyterNotebook, Render.

Interests

- Data Analysis
- Data Science
- Cognitive Computing