

DEVESH KUMAR SINGH

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EDUCATION

Meerut Institute Of Technology, Meerut

2022 – 2026

B.Tech - Artificial Intelligence and Machine Learning - CGPA - 7.8

Meerut, Uttar Pradesh

INTERNSHIP EXPERIENCE

Data Analyst Intern - Techsakhsham (Edunet, Microsoft and SAP)

December 2024 - March 2025

Role - Recruitment Analytics and Automation

Virtual

- Conducted data cleaning and trend analysis on 2,000+ candidate resumes and job descriptions using Python and Excel.
- Built Power BI dashboards visualizing skill gaps, candidate-job fit scores, and hiring trends for HR analytics.
- Improved resume-ranking effectiveness by 75 percent through **NLP-based preprocessing (TF-IDF + BERT)**.

AI Intern — Infosys Springboards

Nov 2025 - Present

Role - Built AI Semantic Search Tool

Virtual

- Built an **AI-based Semantic Search Tool using Natural Language Processing (NLP)** to retrieve **context-aware search results**.
- Cleaned and transformed raw datasets, enhancing data quality for model training and analysis.
- Implemented **semantic similarity search using text embeddings**, enabling accurate query-to-document matching.
- Developed a Streamlit-based web application to deploy the AI model, providing an interactive and user-friendly interface.
- Tools Used: Python (Pandas, scikit-learn,), SQL, NLP, Git, GitHub Streamlit..

PROJECTS

AI Data Cleaning and EDA Agent | Python, Pandas, NumPy, Scikit-learn, Seaborn

October 2025

- Built an AI-powered agent to automate data cleaning and exploratory data analysis (EDA) using Python, Pandas, and Streamlit.
- Implemented missing value handling, outlier detection, and automated visualization for dataset insights.
- Integrated a Streamlit dashboard to allow users to upload datasets and generate instant data reports.

House Price Predictions Model. | Python, Flask, Numpy, REST API, scikit-learn

Jan 2025

- Developed a Machine Learning model to predict house prices based on parameters like area, location, and number of rooms.
- Performed data cleaning, feature engineering, and model training using Linear Regression and Random Forest algorithms.
- Deployed the trained model using a Flask REST API, enabling real-time predictions from user inputs via a web interface.

Bank Customer - Churn Analysis | Python, Pandas, NumPy, scikit-learn, Flask

2024-2025

- Analyzed **customer demographics and transactions** to identify churn risk patterns using Python and Power BI.
- Built interactive reports highlighting customer behavior segments and churn probability by geography and age group.
- Achieved 85 percent classification accuracy using Logistic Regression and Random Forest

TECHNICAL SKILLS

Languages: Python, C++, SQL

Data Engineering: ETL/ELT, Data Cleaning, Transformation and Validation, REST APIs for Data Ingestion

Databases and Cloud: MySQL, Amazon RDS, Google Cloud Platform (BigQuery, Looker Studio), AWS EC2

Data Science and ML: EDA, Feature Engineering, Model Training and Evaluation, scikit-learn, Data Analysis

CERTIFICATIONS

- Oracle Cloud Infrastructure (OCI) Data Science Professional Certificate -2025
- Data Analyst-Microsoft
- Power BI Course