

RAHUL CHAUHAN

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Online Presence: [Portfolio Website](#) | [LinkedIn](#) | [GitHub](#)

Skills

Programming: Python, SQL

AI: Machine Learning, Deep Learning, NLP, Generative AI, RAG, Agentic AI

Data: MySQL, Pandas, Numpy, MongoDB

MLOps: Git, MLflow, Docker

Frameworks: Tensorflow, Keras, Scikit-learn, NLTK

Visualization: Matplotlib, Seaborn, Power BI

Web: FastAPI, Django, Flask, Streamlit

Education

B.Tech - Artificial Intelligence and Data Science

Kandivali, Mumbai, India

Thakur College of Engineering and Technology (CGPA - 9.41)

2021 - 2025

HSC Board Examination

Dahisar, Mumbai, India

Sardar Vallabhbhai Patel Vidyalaya (Percentage - 84.83%)

2020 - 2021

Experience

AI & Data Analytics Intern

Jan 2025 – Feb 2025

Edunet Foundation | AICTE & Shell (Skills4Future Program)

Remote

- Built a **Crop & Fertilizer Recommendation System** with **92% accuracy**.
- Analyzed **10K+ agricultural records** to enable sustainable farming.
- Completed a **4-week virtual internship** under industry mentorship.
- Delivered a project that could improve **crop yield efficiency by 15–20%**.

Projects

CareerVision.ai - AI-Powered Career Prediction System ([GitHub](#)) ([Live](#))

Nov, 2024

(Python, Django, Machine Learning, TailwindCSS, SQLite)

- Built Django-based career prediction platform analyzing 20K+ student records with 39 features.
- Achieved 80%+ model accuracy using MLPClassifier neural network for predictions.
- Integrated Adzuna Jobs API showing 10+ live job listings per query.
- Added skill gap analyzer recommending 3–5 personalized learning resources per skill gap.

Advanced AI Chatbot with Multi-Tool Integration using LangGraph ([GitHub](#)) ([Live](#))

Aug, 2025

(Python, LangGraph, LangChain, Streamlit, Groq, SQLite, DuckDuckGo, Alpha Vantage API)

- Built AI chatbot using Groq Llama-3.1-8B with 95% tool accuracy.
- Managed chats via SQLite with unlimited threads and full persistence.
- Created Streamlit UI with live tools and zero-downtime for 50+ users.

Car Price Prediction API ([GitHub](#))

Oct, 2025

(Python, FastAPI, Machine Learning, Docker, Redis, Prometheus, Grafana, Git)

- Built ML-powered REST API with FastAPI predicting car prices with 85%+ accuracy.
- Added JWT authentication and Redis caching handling 1K+ requests/min with 70% faster responses.
- Containerized app using Docker Compose with 4 microservices ensuring 99.9% uptime and CI/CD.
- Created Prometheus-Grafana dashboard monitoring latency, performance, and system health.

Certifications and Courses

- **IBM - Python 101 for Data Science** ([view](#))
- **CampusX – FastAPI** ([view](#))
- **PW Skills – Data Science Masters 2.0** ([view](#))
- **Great Learning – Flask Python** ([view](#))