

# Arsh Vohra

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## PROFESSIONAL SUMMARY

Data Science enthusiast with strong expertise in Python, machine learning, data preprocessing, and predictive modeling. Experienced in building deployable ML systems and AI-driven solutions including Retrieval-Augmented Generation (RAG) applications. Passionate about transforming raw data into actionable business insights.

## TECHNICAL SKILLS

- **Programming:** Python, SQL, JavaScript
- **Data Science:** Machine Learning, Feature Engineering, Model Evaluation, Data Preprocessing
- **Libraries & Tools:** Pandas, NumPy, Scikit-learn, Streamlit
- **AI Systems:** Retrieval-Augmented Generation (RAG), Model Deployment
- **Version Control:** Git, GitHub

## EDUCATION

**Computer Engineering** | Gokul Global University

CGPA: 9.4

## EXPERIENCE

**Frontend Developer Intern** | Marg Infotech

- Developed data-driven web applications integrating frontend with backend databases.
- Worked with SQL databases to manage structured data efficiently.
- Improved system performance and user experience through optimized component design.
- Collaborated with backend teams to ensure seamless data flow and integration.

## PROJECTS

### RAG-Based AI Teaching Assistant

- Designed and implemented Retrieval-Augmented Generation pipeline for contextual Q&A.
- Built document retrieval mechanism to enhance response accuracy.
- Deployed interactive AI system using Streamlit.

### Predictive Machine Learning Models

- Developed supervised ML models for predictive analytics tasks.
- Performed data cleaning, preprocessing, and feature engineering.
- Evaluated models using appropriate performance metrics to improve accuracy.

## CERTIFICATIONS

- Tata – Cybersecurity Analyst Job Simulation
- Tata – Data Visualisation: Empowering Business with Effective Insights Job Simulation
- Tata – GenAI Powered Data Analytics Job Simulation
- CodeWithHarry – The Ultimate Data Science Course