

ARYAN RAJ

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Professional Summary

Enthusiastic Computer Science student with hands-on experience in building end-to-end AI/ML applications. Passionate about continuous learning and excited to contribute fresh perspectives while growing alongside experienced professionals in a dynamic technical environment.

Education

Bachelor of Technology in Computer Science & Engineering

VIT Bhopal University | AI & ML Specialization

CGPA: 8.93/10

Aug 2022 - May 2026

Higher Secondary Education (Science)

St. Clare's Convent School, Lucknow

92.8%

Technical Skills

Programming: Python, C++, SQL | **AI/ML:** PyTorch, TensorFlow, Scikit-learn, Keras, NLTK | **LLM & Generative AI:** RAG Systems, Agentic AI | **Data Engineering:** ETL Processes, Data Pipelines, Data Cleaning | **Web Framework:** Flask, FastAPI, RESTful APIs | **Data Analytics & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Plotly, Power BI, Statistical Analysis, Excel | **Cloud & DevOps:** AWS (basic), Docker, Git, Postman | **Databases:** MySQL, PostgreSQL

Professional Projects

SmartHireX: Multi-Agent AI Recruitment Platform

Python, Flask, LLM, SQL

- Architected intelligent multi-agent recruitment system using LLM for automated candidate screening and ranking
- Implemented automated email workflows and RESTful APIs, significantly reducing recruitment cycle time
- Deployed production-ready Flask application handling high-volume transactions with robust error handling

HR Analytics Dashboard: Employee Attendance Management

Power BI, SQL, Python, Data Visualization

- Built comprehensive dashboard tracking employee attendance patterns and leave utilization across departments
- Developed automated SQL queries for real-time data extraction from HR databases with interactive reporting features
- Created executive-level insights on operational bottlenecks, resource utilization, and process optimization opportunities

Document Management & Query System

FastAPI, Qdrant, Vector Embeddings, LLM

- Engineered advanced document retrieval and management system for operational documentation and compliance tracking
- Implemented vector database integration delivering highly relevant contextual question answering
- Built scalable FastAPI backend with OAuth authentication handling high-volume daily queries efficiently

Kisan Sathi: AI Agricultural Advisory Platform

Python, Machine Learning, APIs, Flask

- Created intelligent crop optimization engine using soil analysis and climate modeling for accurate predictions
- Integrated multiple real-time APIs for weather, market prices, and agricultural data with responsive dashboard
- Delivered actionable farming insights to farmers, improving crop yields and agricultural decision-making

End-to-End Data Pipeline for E-commerce Analytics

Python, SQL, Power BI

- Designed and implemented data processing pipeline for e-commerce analytics using Python scripts and SQL queries
- Built structured database schema with optimized SQL queries for efficient data retrieval and analysis
- Created executive dashboards in Power BI tracking key business metrics: sales trends, customer behavior, and product performance

Co-Curricular Activities

Open Source Contributor

June 2024 - Aug 2024

GirlScript Summer of Code 2024

- Contributed to 10+ AI/ML projects: ML model fine-tuning, neural network optimization

Zonal Poster Competition Winner

1st Position in Zonal Level Poster Competition with Chief Minister felicitation

Certifications

- IBM Generative AI Professional Certificate** - Advanced AI model development using IBM Watsonx
- MongoDB Node.js Developer Certification** - Database design and optimization techniques
- Postman API Fundamentals Expert** - Advanced API development and testing methodologies

Additional Information

Languages: English (Fluent), Hindi (Native) | **Key Strengths:** Problem Solving, Team Leadership, Analytical Thinking, Innovation | **Interests:** Data Analytics, Financial Technology, Agentic AI, Business Intelligence | **Hobbies:** Sketching, Sports