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 — CGPA: 8.93/10
VIT Bhopal University | AI & ML Specialization — *Aug 2022 - May 2026*

Higher Secondary Education (Science) — 92.8%
St. Clare's Convent School, Lucknow

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

Bharat KYC App Design — *Figma, Product Design, UX/UI, User Research*
- Designed and built the full mobile KYC user flow in Figma, focusing on clear steps and guidance for rural and semi-urban citizens.
- Created the interface with low-end smartphones including simple screens and fail-safes for common errors.
- Proposed an innovative solution based on usage of AI, specifically to tackle the challenges of a rural, low-spec, and low-literacy user base.

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