ARYAN RAJ

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Professional Summary

A dynamic Computer Science student with a strong foundation in Artificial Intelligence and Machine Learning and a commitment to continuous professional development. Proven leadership and communication skills with ability to collaborate effectively across technical and business teams. Seeking diverse opportunities in technology and business-focused positions where innovation meets strategic thinking.

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 Expertise

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

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

Sales Forecasting & Business Intelligence System — *Power BI, SQL, Data Visualization*
- Developed interactive dashboards enabling stakeholders to monitor key sales metrics, performance indicators, and operational efficiency
- Implemented data-driven insights platform supporting inventory management decisions and business forecasting processes

Co-Curricular Activities

Open Source Contributor - GirlScript Summer of Code 2024 — **June 2024 - Aug 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