

ARYAN RAJ

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EDUCATION

VIT Bhopal University, Sehore, Madhya Pradesh

B.Tech in Computer Science and Engineering — Spec. in AI and ML

CGPA: 8.92/10

2022-2026

TECHNICAL SKILLS

Programming Languages: Python, C++, JavaScript, SQL | **ML/AI Frameworks:** PyTorch, TensorFlow, Scikit-learn, Transformers | **Web Development:** Flask, FastAPI, ReactJS, Node.js | **Tools & Platforms:** Git, Docker, Jupyter, Google Colab, PowerBI | **Cloud & Databases:** MongoDB | **Specializations:** Deep Learning, NLP | **Concepts:** OOP, Data Structures & Algorithms

PROJECTS

Multi-Agent AI Recruitment System

Python, Flask, Ollama, NLP, Email APIs

- Engineered intelligent multi-agent system using Ollama LLM to automate candidate screening and ranking.
- Automated personalized email workflows for job matching and application status updates using smart algorithms.
- Deployed production-ready Flask web application with RESTful APIs for seamless recruiter-candidate interactions.

Kisan Sathi - AI Agricultural Platform

React.js, Flask, Machine Learning, APIs

- Built AI-powered recommendation engine for crop optimization using soil analysis and climate data modeling.
- Integrated real-time weather APIs to deliver actionable farming insights and irrigation scheduling recommendations.
- Developed responsive dashboard with agricultural news aggregation and crop planning tools for farmers.

AI Interview Preparation Chatbot

Flask, PyTorch, Transformers, NLP

- Designed intelligent chatbot using PyTorch transformers for personalized mock interviews and skill assessment.
- Optimized custom NLP models to provide detailed feedback on communication and technical interview responses.
- Established adaptive learning system with progress tracking and performance analytics for interview preparation.

E-Commerce Bookstore Platform

MERN Stack, Firebase, Tailwind CSS

- Orchestrated full-stack e-commerce platform with advanced search, efficient cart management, and secure payment integration.
- Implemented Firebase OAuth and JWT authentication with Google sign-in for enhanced user security.
- Assembled comprehensive admin dashboard with sales analytics, inventory management, and user administration.

CO-CURRICULAR ACTIVITIES

Open Source Contributor

June 2024 – August 2024

GirlScript Summer of Code (GSSOC'24)

- Contributed to open-source projects in Machine Learning and Deep Learning.
- Conducted thorough testing and debugging to ensure high-quality code.
- Wrote detailed documentation and user guides.

CERTIFICATIONS & ACHIEVEMENTS

- Generative AI Using IBM Watsonx** - IBM Professional Certificate
- MongoDB Node.js Developer Path** - SmartBridge Certification
- Postman API Fundamentals Student Expert** - Postman
- GSSOC'24 Contributor** - Contributed to 10+ ML/DL open-source projects

ADDITIONAL INFORMATION

Languages Known: English (Fluent), Hindi (Native)

Hobbies & Interests: Painting, reading spiritual literature, Listening to songs