Aryan Raj

+91-9555765633 | araj47616@gmail.com | linkedin.com/in/aryan-raj-91b399250/ | github.com/4ryn

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, HTML/CSS
Libraries: C++ STL, Python Libraries
Frameworks: Flask, ReactJS
Tools: Node.js, Postman, Git, GitHub, PowerBI
Cloud/Databases: MongoDB
Areas of Interest: AI/ML, Web Development

EDUCATION

VIT Bhopal University — Bhopal, MP
B.Tech. in Computer Science Engineering (AI/ML Specialization) — *Sep 2022 – May 2026*
- **CGPA:** 8.91

EXPERIENCE

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.

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.

Real-Time Video Conferencing Platform — MERN Stack, WebRTC, Socket.io
- Built scalable video chat application with P2P communication architecture supporting multiple participants.
- Implemented WebRTC for low-latency video streaming and Socket.io for real-time messaging capabilities.
- Designed responsive UI with room management, screen sharing, and authentication for professional conferencing.

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

E-Commerce Bookstore Platform — MERN Stack, Firebase, Tailwind CSS
- Developed 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.
- Created comprehensive admin dashboard with sales analytics, inventory management, and user administration.

CERTIFICATIONS

MongoDB Node.js Developer Path for SmartBridge

GEN AI Using IBM Watsonx

Postman API Fundamentals Student Expert, Postman

Applied Machine Learning in Python, Coursera