ARYAN RAJ

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Professional Summary

Motivated Computer Science student with hands-on experience in full-stack development and AI/ML technologies. Proficient in building web applications using modern frameworks and implementing machine learning solutions. Strong problem-solving skills with a passion for creating user-friendly applications and continuous learning in emerging technologies.

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 Languages: Python, C++, JavaScript, SQL | **Frontend Development**: React, HTML5, CSS3, Bootstrap, Responsive Design | **Backend Development**: Node.js, Express.js, Flask, FastAPI, RESTful APIs | **Databases**: MongoDB, MySQL, PostgreSQL | **Machine Learning**: Python, Scikit-learn, TensorFlow (basic), Pandas, NumPy | **Cloud Platforms**: AWS (basic) | **Tools & Technologies**: Git, Postman, Docker, WebRTC, Socket.io

Projects

ConnectX: Video Chat Application — *React, Node.js, WebRTC, Socket.io*
- Built a real-time video conferencing application similar to Zoom with room-based meetings
- Implemented WebRTC for peer-to-peer video/audio communication and Socket.io for real-time messaging
- Developed responsive frontend with React and secure backend API using Node.js and Express

BookHaven: E-Commerce Bookstore — *MongoDB, Express.js, React, Node.js (MERN)*
- Developed full-stack e-commerce platform for book purchasing with user authentication and shopping cart
- Created RESTful APIs for book catalog management, user registration, and order processing
- Implemented responsive design with React components and integrated MongoDB for data storage

SmartHireX: AI-Powered Recruitment System — *Python, Flask, Machine Learning*
- Built recruitment platform with automated resume screening using NLP and keyword matching
- Developed Flask-based web application with candidate registration and job application features
- Integrated basic ML models for candidate ranking based on skills and experience matching

Kisan Sathi: Agricultural Advisory Platform — *Python, Flask, APIs*
- Created web platform providing crop recommendations based on soil and weather data
- Integrated external APIs for real-time weather information and basic agricultural insights
- Developed user-friendly interface for farmers to input data and receive farming suggestions

Document Query System — *Python, FastAPI, Vector Search*
- Built document upload and search system with basic text processing capabilities
- Implemented FastAPI backend for file handling and simple keyword-based document retrieval
- Created basic search functionality for finding relevant documents based on user queries

Experience & Achievements

Open Source Contributor — **June 2024 - Aug 2024**
GirlScript Summer of Code 2024 — *Remote*
- Contributed to multiple open-source projects focusing on web development and basic ML implementations
- Collaborated with team members on code reviews and feature enhancements

Competition Winner
1st Position - Zonal Level Poster Competition

Certifications

- **IBM Generative AI Professional Certificate** - Fundamentals of AI and machine learning
- **MongoDB Node.js Developer Certification** - Database operations and backend development
- **Postman API Fundamentals** - API testing and development practices

Additional Information

Languages: English (Fluent), Hindi (Native) | **Strengths**: Problem Solving, Team Collaboration, Debugging, Quick Learning | **Interests**: Web Development, Machine Learning, Open Source, Software Architecture | **Hobbies**: Sketching, Sports