

Aryan Raj

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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, PostgreSQL

Areas of Interest: AI/ML, Web Development

EDUCATION

VIT Bhopal University

B.Tech. in Computer Science Engineering (AI/ML Specialization)

- **CGPA:** 9.02

Bhopal, MP

Sep 2022 – May 2026

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 Model for Job Recruitment

Python, Flask, NLP, Email APIs

- Developed a multi-agent AI system to automate job recruitment, categorizing candidates based on skills and experience.
- Implemented email automation for personalized communication on job matches and application status.
- Deployed the system as a Flask-based web application for seamless user interaction.

Kisan Sathi Website

Flask, React.js, Python

- Created an AI-powered platform for crop and fertilizer recommendations based on soil and climate data.
- Integrated real-time weather forecasting to assist farmers with irrigation and planning.
- Implemented a news section for timely updates on agriculture, government schemes, and market trends.

Malicious URL Prediction Website

Python, HTML/CSS, Flask, ML

- Developed a machine learning system to classify URLs as malicious or safe, enhancing cybersecurity detection.
- Built a Flask-based web application for real-time URL analysis with an intuitive interface.
- Optimized ML algorithms to improve classification accuracy and reduce false positives.

Job Interview Preparation Chatbot

Flask, PyTorch, NLP, Python

- Built an AI chatbot to help students prepare for job interviews with mock interviews and Q&A practice.
- Leveraged PyTorch NLP models to analyze inputs and simulate real interview scenarios.
- Developed a Flask-based interface for tracking progress and user interaction.

CERTIFICATIONS

- * Applied Machine Learning in Python, Coursera
- * Generative Design Foundations, LinkedIn
- * Artificial Intelligence for Students, LinkedIn
- * Postman API Fundamentals Student Expert, Postman