

Ananya Jain

Gwalior | ananyajain2103@gmail.com | +91 6265383328 | GitHub | Leetcode | Portfolio

Objective

IT undergraduate with strong foundations in **object-oriented design, data structures, algorithms, and complexity analysis**, and hands-on experience building **multi-tiered, REST-API-driven systems** in Python, including **RAG pipelines with LangChain**. Comfortable working through ambiguous, open-ended problems with a focus on scalable design, reliability, and performance optimization.

Education

Madhav Institute of Technology and Science, Gwalior Sep 2023 – Present
Bachelor of Technology, Information Technology | CGPA: **8.7/10**
Kendriya Vidyalaya No. 5, Gwalior 2023 | 2021
CBSE – Class XII: 90% | Class X: 93.6%

Relevant Coursework

Object-Oriented Programming • Data Structures & Algorithms • Operating Systems • Computer Networks • Database Management Systems • Software Engineering

Technical Skills

Programming Languages: Python, C++, JavaScript
Frameworks & Libraries: Django, React.js, REST APIs, TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, OpenCV
Software Engineering: OOP, Data Structures & Algorithms, Agile SDLC, Debugging & Troubleshooting, API Integration, Unit Testing, Code Reviews, Backend Development
Data & AI: Machine Learning, Deep Learning, LangChain, RAG, Data Preprocessing, Predictive Analytics
Tools & Platforms: Git, GitHub, Docker, Postman, Jupyter Notebook, VS Code, SQLite

Projects

NeuralFlow – No-Code ML Platform | GitHub | Live Demo Python, REST APIs, ML
• Designed and developed an **ML platform** in Python with 10+ REST APIs, applying agile development practices.
• Optimized automated workflows for performance, reducing model setup time by **70%**; validated across 15+ datasets with comprehensive testing.

FlowRAG – No-Code RAG Pipeline Builder | GitHub Python, LangChain, RAGAS
• A **drag-and-drop RAG pipeline builder** supporting 8 chunking strategies and hybrid retrieval (**BM25, HyDE, MMR**), with cross-encoder reranking and AI-powered configuration suggestions.
• Integrated **live RAGAS evaluation** for side-by-side pipeline comparison; enabled **Python code export** for direct production use.

Student Compass – Wellbeing Management Platform | GitHub | Live Demo Django, React, REST APIs
• Built and debugged a scalable full-stack application implementing **15+ REST APIs**, with collaborative development following agile SDLC practices.
• Designed for reliability and scale, supporting **100+ test users** with real-time analytics and progress monitoring.

Plant Disease Detection System | GitHub | Live Demo Python, DL, OpenCV
• Developed and optimized a **CNN-based classification system** in Python, focusing on inference performance and accuracy across 20,000+ images.
• Achieved **92%+ accuracy** through iterative debugging, feature engineering, and model evaluation.

Experience

AI Intern – Infosys Springboard (Remote) Jun 2026 – Present
• Led a team to engineer a full-stack, **AI-proctored examination platform** supporting three role-based workflows — student, examiner, and admin — with client-side face detection using MediaPipe for real-time proctoring.
• Built an automated **grading engine using keyword-based heuristics**, designed for drop-in replacement with an **LLM-based model**, along with live session monitoring and analytics dashboards for tracking exam attempts.

Open Source Contributor - GSSoC'25 Aug 2025 – Oct 2025
• Contributed in Python projects using Git and GitHub; participated in **code reviews**, addressed feedback to improve functionality, and ranked **top 2% of 30,000+ contributors** nationwide.

Achievements

- Solved **550+ DSA problems** on LeetCode using C++ and Python; contest rating **1788**
- Artificial Intelligence Primer and Advanced certification (Infosys Springboard).
- Ranked **127th** among 30,000+ participants in GSSoC'25
- Earned Agentic AI Foundations Associate certification