

Arya Jha

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EDUCATION

B.Tech in Computer Science & Business Systems (CSBS)

2024 - present

Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya (IET-DAVV), Indore

CGPA: 8.1 | Class X: 92% | Class XII: 90%

SKILLS

Programming Languages Python, C & C++

Web Development HTML, CSS, Java Script, Jinja2, Flask

Computer Science Fundamentals Data Structures and Algorithms, OOPs, DBMS, Operating Systems(Basics)

Machine Learning / NLP: Sentence Transformer, Semantic Search, Text Embeddings, Cosine Similarity

Tools: Git & GitHub, VS Code

PROJECTS

AI Resume Analyzer (NLP + ML Web App) | [GitHub](#) | Python, Flask, SBERT

Dec 2025 — Present

- Designed a **two-phase resume-job matching engine** combining **skill taxonomy weighting** and **SBERT semantic similarity** for contextual relevance.
- Implemented **chunk-based semantic matching** improving alignment accuracy for long resumes and reducing false positives.
- Integrated **OCR fallback pipeline** to support scanned resumes, enabling analysis of real-world PDF inputs.
- Built an **explainable AI layer** highlighting matched/missing skills and top-relevant resume sections.
- Developed an interactive UI with **match score breakdown**, semantic alignment insights, and actionable improvement suggestions.

GitHub Profile Analyzer | [GitHub](#) | Python

Dec 2025

- Developed an interactive UI with **match score breakdown**, semantic alignment insights, and actionable improvement suggestions.
- Generated developer insights including **skill distribution**, activity trends, and project focus areas.

Smart Study Planner | [GitHub](#) | Python

Dec 2025

- Developed a **priority-based study scheduling system** optimizing daily task allocation under time constraints.
- Implemented logic to dynamically rebalance schedules based on deadlines and workload.

LEARNING EXPERIENCE

Google Cloud Gen AI Academy 2.0

In Progress

Deloitte Virtual Internship – Technology Simulation

Dec 2025

JPMorgan Chase Virtual Internship – Software Engineering Simulation

Dec 2025

Solved 100+ **Data Structures and Algorithms** problems across various platforms, strengthening problem-solving skills and algorithmic thinking.

VOLUNTEERING & LEADERSHIP

Events Team Lead, E-Cell IET-DAVV

Dec 2024 — Present

- Led planning and execution of technical and entrepreneurial events, coordinating cross-functional teams and timelines.

Former-Member, Google Developers Group On-Campus

Dec 2024 — Oct 2025

- Participated in technical workshops, peer learning sessions, and community-driven development initiatives.