

# Vedant Yadav

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[TheMimikyu](#)

## EDUCATION

### Indian Institute of Information Technology

Bachelor of Technology in Computer Science & Engineering

Bhagalpur

2022 - 2026

- **CGPA:** 8.26/10.0 | **SGPA:** 8.83/10.0 (Latest)
- **Technical Lead, AI Club:** Led 12+ members in NLP projects and competitions.
- **Project Manager, OPCODE(OSS Fest):** Maintained 2 OSS projects, mentoring 50+ contributors.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, SQL, C++

**Frameworks and Libraries:** FastAPI, Flask, React, Node.js, TensorFlow, BeautifulSoup, Requests, ytDLP

**Databases:** MySQL, PostgreSQL, MongoDB Atlas, Weaviate (NoSQL)

**Cloud/APIs:** GCP, Azure Cloud Services, Google Sheets API, RESTful APIs

**Certification:** Google IT Automation with Python, DeepLearning.AI ML/DL Specializations

## EXPERIENCE

### SDE Intern

Skilzen Ed. Tech. Pvt. Ltd.

Feb 2025 - Ongoing

Bangalore (Remote)

- **Designed web crawlers** using Python (BeautifulSoup, Requests) to automate metadata extraction from 50+ educational websites, reducing manual data entry by **40%** and enabling near real-time updates via Google Sheets API integration.
- Engineered a scalable **AI-powered university knowledge base** (500+ institutions) using Python and Gemini API, achieving **95% data accuracy** in JSON/CSV outputs through LLM grounding.

### Lead AI/ML Intern

Quamin Tech Solutions LLP

July 2024 - Nov 2024

Bangalore (Remote)

- Designed **RESTful APIs** for image compression and cloud-based processing, reducing inspection time for **100+ farm patches** by **75%**.
- Led a team of 6 to build an AI-driven **patch-mapping system** with **98%** accuracy on 1,000+ agricultural images using TensorFlow/Keras.
- Integrated **Azure OpenAI API** to develop a bilingual reporting system with real-time analytics and TTS capabilities.

## PROJECTS

### Eduflow-Nexus | FastAPI, Docker, GCP, Gemini 2.0, OpenAI Whisper

Feb 2025

- Built a **Dockerized FastAPI backend** deployed on GCP, reducing deployment time by **30%**
- Integrated *Gemini 2.0 Flash* and *OpenAI Whisper* to create a video-to-notes pipeline, cutting manual transcription efforts by **50%**.
- Implemented *real-time Canvas Note Generation* using FastAPI, improving processing efficiency by **40%**.

### Advent of Haystack | Haystack, Weaviate, MongoDB OpenAI, RAG Pipelines, Arize Phoenix

Dec 2024

- Developed **10 RAG systems** for multi-document QA and hybrid search, improving retrieval accuracy and reducing query response time by **60%**.
- Designed custom components for multi-query processing and integrated *Weaviate* for efficient NoSQL data storage.
- Enabled ML monitoring using *Arize Phoenix* to track LLM performance and response quality in real-time.

### Open Source Contributions | Python, LLM Integrations, Haystack

Nov 2023 - Dec 2024

- Fixed model configuration inconsistencies in Haystack-NVIDIA NIM integration (PR [1260](#)), resolving ranker mapping issues.
- Merged 41 documentation PRs for *TLDR Pages* during Hacktoberfest 2023/24, improving user accessibility.

## ACHIEVEMENTS

- **Winner, CodeRelay 3.0 Hackathon, IIT Bhubaneswar:** Designed an AI backend that transformed academic interactions.
- **Completed Advent of Haystack 2024**, winning \$108 and writing a beginner friendly article.
- **Competitive Programming** - Top 64 Global Rank (2x) in CodeChef Starters (Div 3) among 15k+ participants.
- **Ranked 1st** in *Solving for India Hackathon* College Qualifiers, led team of 4 to regionals.
- **IEEE SILCON 2024:** Co-developed ML career counselor achieving **93.7% accuracy** across 4 domains.