

ABHIJAY KUMAR SHAH

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Education

Vellore Institute of Technology B.Tech in Computer Science & Engineering	Jul 2026 (Expected) CGPA: 8.44 / 10.0
DAV Public School, Dudhichua Senior Secondary (Class XII)	2019–2021 CGPA: 9.20 / 10.0
DAV Public School, Surya Vihar Secondary (Class X)	2018–2019 CGPA: 9.85 / 10.0

Technical Skills

Languages & Core: Python (Strong), SQL, JavaScript, C++ (Data Structures & Algorithms)
Data & AI: Pandas, NumPy, ETL Data Pipelines, GenAI & LLM Integration, Machine Learning (Concepts)
Databases & Cloud: Relational DBs (PostgreSQL), NoSQL (MongoDB), AWS (Basic), Data Modeling
Tools & Fundamentals: Git, Docker, BI Dashboards, REST APIs, Statistics & Probability, OS Concepts

Projects

- Scholara — AI-Enabled Workflow & Data Processing System** — *Python/JS, APIs, Document Analysis* [\[Link\]](#)
- **Data Pipeline Engineering:** Engineered a state-driven data pipeline (Proposal → Approval → Final Upload), utilizing RESTful APIs to validate and transform data at each stage.
 - **AI Document Parsing:** Integrated an Automated AI Analysis Engine to parse unstructured PDF uploads, extracting critical information and generating instant data compliance feedback.
 - **Analytical Dashboards:** Developed a real-time visualization dashboard to track submission metrics and workflow bottlenecks, enabling data-driven monitoring.
- Rately — Scalable Platform & GenAI Integration** — *REST APIs, OpenRouter/Gemini LLM, Databases* [\[Link\]](#)
- **LLM Integration:** Integrated context-aware GenAI models (Gemini via OpenRouter API) into the application to process user inputs and generate intelligent responses.
 - **Database Architecture:** Architected a scalable database schema featuring Role-Based Access Control (RBAC) to manage data isolation securely across Admins, Owners, and Users.
- High-Throughput Media Processing Engine** — *JavaScript, Performance Optimization, Data Streams* [\[Link\]](#)
- **Stream Processing:** Engineered a multi-instance system capable of concurrently processing and synchronizing 9 heavy data streams without blocking the main execution thread.
 - **Data Validation:** Implemented intelligent file validation algorithms to detect corruption in data buffers, ensuring safe memory loading and real-time error reporting.

Experience / Leadership – Achievements

- CatCatchCode** catcatchcode.online – Jul 2025 – Present [\[Link\]](#)
- Founder & Technical Lead — VIT
- Founded an ed-tech initiative providing placement guidance, curated study material, and senior mentorship for students.
 - Led a 5-member team to produce 100+ technical learning videos, impacting 100+ students.
 - Designed beginner-to-intermediate learning roadmaps for DSA, Full-Stack development, and AI automation.
 - Expanded content across LinkedIn, YouTube, Instagram, and GitHub, building an early-stage learning community.
- Satsang Vachan Satsang Seva** satsangvachansatsangseva.online – Sept 2025 – Present [\[Link\]](#)
- Co-Founder & Project Lead – Digital Preservation & Social Impact Initiative
- Leading a digital preservation initiative to convert decades of archival literature into modern visual and multimedia formats.
 - Spearheading a digitization initiative to preserve 50+ years of archival literature for a global community of 200 Million+ followers.
 - Collaborating with contributors to produce posters, magazines, podcasts, and animated content for large-scale audiences.
 - Applying AI-assisted summarization to transform long-form textual material into concise, accessible visuals.
 - Designing a scalable content platform focused on accessibility, maintainability, and positive social impact.

Certifications

- Python Essentials** (VIT) — May 2024 [\[Link\]](#)
- Python Quick Start** (LinkedIn Learning) — Jan 2023 [\[Link\]](#)
- Excel Essential Training** (LinkedIn Learning) — Feb 2023 [\[Link\]](#)
- MERN Full Stack Certificate** — Apr 2025 [\[Link\]](#)