

ABHIJAY KUMAR SHAH

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Education

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

Technical Skills

Languages & Frontend: C++, Python, JavaScript (ES6+), SQL, React.js, Tailwind CSS, Context API
Backend & Databases: Node.js, Express.js, MongoDB (Mongoose), PostgreSQL, REST APIs, WebSockets
Tools, Cloud & Security: Git, Docker, Postman, AWS (Basic), JWT, RBAC, OpenRouter/Gemini API

Projects

Rately — Store Rating Platform & AI Chatbot — MERN Stack, Tailwind CSS, RBAC, OpenRouter API and Gemini API [\[Link\]](#)

- Architected a scalable platform featuring Role-Based Access Control (RBAC) to manage distinct permissions for Admins, Owners, & Users.
- Integrated a context-aware AI Chatbot via OpenRouter API to assist users, enhancing platform engagement & support navigation.
- Implemented enterprise-grade security using JWT, Helmet, & Rate Limiting to protect against unauthorized access & DDoS attacks.
- Designed a modular frontend with React & Tailwind CSS, utilizing Context API for seamless global state management.

Scholara — AI-Enabled Academic Workflow System — MERN Stack, JWT, RBAC, Document Analysis [\[Link\]](#)

- Architected a Full-Stack Workflow Platform with Role-Based Access Control (RBAC), managing secure distinct portals for Students (Submission) and Faculty (Review).
- Engineered a state-driven approval pipeline (Proposal → Approval → Final Upload), utilizing RESTful APIs to enforce validation rules at each stage.
- Developed a Real-Time Faculty Dashboard using React & Tailwind to visualize submission metrics, track pending reviews, and monitor student progress.
- Integrated an Automated AI Analysis Engine to parse PDF uploads, validating document structure and generating instant compliance feedback for students.

ParkEasy — Smart Parking Reservation System — React.js, Node.js, Express, MongoDB, JWT [\[Link\]](#)

- Engineered a comprehensive parking reservation system using the MERN stack, enabling real-time slot booking & data persistence.
- Designed robust RESTful APIs with Node.js & Express, utilizing Mongoose for strict schema validation of booking data.
- Implemented secure JWT authentication & managed complex application state (user sessions) using React Context API.
- Developed a responsive UI with CSS Modules, ensuring a consistent user experience across devices.

Experience / Leadership – Achievements

CatCatchCode

catcatchcode.online – Jul 2025 – Present

Founder & Technical Lead — VIT

[\[Link\]](#)

- 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

Co-Founder & Project Lead – Digital Preservation & Social Impact Initiative

[\[Link\]](#)

- 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

MERN Full Stack Certificate — Apr 2025 [\[Link\]](#)