ABHIJAY KUMAR SHAH

📞 +91 78790 28316   ✉ abhijayshah74@gmail.com   💼 linkedin.com/in/abhijayshah/   🐙 github.com/Abhijayshah

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.

Advanced Multi-Video Player — *JavaScript, Performance Optimization, Browser APIs* **[Link]**
– Engineered a multi-instance video playback system supporting 9 concurrent players with synchronized controls & $10\times$ playback speed.
– Implemented intelligent file validation & corruption detection, ensuring safe loading with real-time error reporting mechanisms.
– Designed resource-efficient state & memory management to maintain stable performance across Windows & macOS.

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]