

Aditya Raj Srivastava

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EDUCATION

Vellore Institute of Technology
B.Tech, Department of Computer Science and Engineering

September 2022 – Ongoing
CGPA: 8.36

Delhi Public School, Kalyanpur, Kanpur (CBSE)
Class XII Central Board of Secondary Education
Class X Central Board of Secondary Education

March 2020 – June 2022
Percentage: 89.2%
Percentage: 88.4%

PROJECTS

CareerQuill [[GitHub](#)] [[Demo](#)]
Resume Generation & ATS Scoring Platform

August 2025 - September 2025

- Developed a web platform enabling users to create resumes from 6 customizable templates via a guided form, with export options in PDF and DOCX formats while preserving layout fidelity.
- Implemented an NLP-based ATS scoring feature using Python, spaCy, and scikit-learn to compare resumes against job descriptions and suggest relevant keywords.
- Built authentication and a personal dashboard with Node.js, Express, MongoDB, and JWT, allowing each user to securely store and manage up to 5 resume versions.
- Integrated React.js/Tailwind CSS frontend with a Python microservice via REST API to process ATS scoring requests within 5–7 seconds under normal usage.
- Configured the document generation system with pdf-lib and docx, tested for consistent resume production during development.

Tech Stack: React.js, Tailwind CSS, Node.js, Express, MongoDB, JWT, REST APIs, Python, FastAPI, spacy, scikit-learn

FlowMind-AI [[GitHub](#)] [[Demo](#)]
No-Code Platform for Visual Workflow Design and Execution

September 2025 – October 2025

- Designed an interactive workflow builder UI using React.js and React Flow, enabling users to visually compose and configure pipelines through drag-and-drop components.
- Processed documents with PyMuPDF and enabled semantic search using SentenceTransformers (all-MiniLM-L6-v2) and ChromaDB, achieving 90%+ retrieval accuracy across 8–10 files per workflow.
- Integrated Gemini LLM to generate responses using the selected AI model, with optional SerpAPI calls when queries fell outside the uploaded documents, supporting up to 5 follow-up chat interactions per session.
- Built FastAPI backend for orchestration, validation, and storage, and implemented user authentication with Node.js, Express, MongoDB, and JWT.
- Added tiered access control logic restricting free users to three workflows, with backend validation to enforce usage limits and support controlled feature expansion.

Tech Stack: React.js, React Flow, Node.js, Express, FastAPI, MongoDB, JWT, ChromaDB, SentenceTransformers (all-MiniLM-L6-v2), SerpAPI, PyMuPDF, REST APIs, Gemini LLM

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML, CSS

Frameworks & Libraries: React.js, Node.js, Express.js, Tailwind CSS, FastAPI

Databases: MySQL, MongoDB

Web Technologies: RESTful APIs, JWT Authentication, Responsive Design

Tools: Git, GitHub, Postman, VS Code, MongoDB Atlas, Render, Vercel

CS Core: Data Structures & Algorithms, Object-Oriented Programming, DBMS, Networking

ACHIEVEMENTS

- Secured a Top **16%** university-wide rank (1,689 / 10,754) on the GeeksforGeeks Coding Portal at VIT University.
- Curated a synthetic dataset of 1,100 job descriptions across 55 roles; trending **#1** on Kaggle NLP category with **11K+** views and **2K+** downloads ([Kaggle Link](#)).

CERTIFICATIONS

- Postman API Fundamentals Student Expert