

# Aditya Raj Srivastava

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## EDUCATION

### Vellore Institute of Technology

B.Tech, Department of Computer Science and Engineering

September 2022 – Ongoing

CGPA: 8.34

### 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]

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, Python, FastAPI, spaCy, scikit-learn, pdf-lib, JSON

### FlowMind-AI [GitHub] [Demo]

No-Code Platform for Visual Design and Execution of AI Workflows

September 2025 – October 2025

- Created a visual builder that lets users compose and run AI pipelines through drag-and-drop modules for input handling, document retrieval, and automated response generation.
- Processed documents with PyMuPDF and enabled semantic search using Gemini Embeddings 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 fall 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 restricting free users to 3 workflows, enabling scalable premium upgrades.

**Tech Stack:** React.js, React Flow, Node.js, Express, FastAPI, PostgreSQL, MongoDB, ChromaDB, Gemini LLM, Gemini Embeddings, SerpAPI, PyMuPDF, JWT, Docker

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, SQL, HTML, CSS, TypeScript

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

**Databases:** MySQL, MongoDB, PostgreSQL

**Web Technologies:** RESTful APIs, JWT Authentication, JSON, Multi-Browser Support, Responsive Design

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

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

## ACHIEVEMENTS

- Curated a synthetic dataset of **1,100** job descriptions across 55 roles; trending #1 on Kaggle NLP category, with **10K+ views, 2K+ downloads** ([Kaggle Link](#)).

## CERTIFICATIONS

- Bits and Bytes of Computer Networking
- Postman API Fundamentals Student Expert