

Aditya Raj Srivastava

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EDUCATION

Vellore Institute of Technology <i>B.Tech, Department of Computer Science and Engineering</i>	September 2022 – Ongoing CGPA: 8.36
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Delhi Public School, Kalyanpur, Kanpur (CBSE) <i>Class XII Central Board of Secondary Education</i> <i>Class X Central Board of Secondary Education</i>	March 2020 – June 2022 Percentage: 89.2% Percentage: 88.4%
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PROJECTS

CareerQuill [GitHub]	August 2025 - September 2025
<i>Resume Generation & ATS Scoring Platform</i>	

- 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]	September 2025 – October 2025
<i>No-Code Platform for Visual Design and Execution of AI Workflows</i>	

- 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 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 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, 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