Aditya Raj Srivastava

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EDUCATION

Vellore Institute of Technology   September 2022 – Ongoing
B.Tech, Department of Computer Science and Engineering   CGPA: 8.34

Delhi Public School, Kalyanpur, Kanpur (CBSE)   March 2020 – June 2022
Class XII Central Board of Secondary Education   Percentage: 89.2%
Class X Central Board of Secondary Education   Percentage: 88.4%

PROJECTS

CareerQuill [GitHub]   **August 2025 - September 2025**
Resume Generation & ATS Scoring Platform

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

- 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