

Aman Tiwari

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SUMMARY

Versatile developer with experience building end-to-end AI-powered applications using Flask, Django, MongoDB, and LLaMA models. Skilled in Python, machine learning, and scalable web development. Strong understanding of web technologies including HTML, CSS, and JavaScript. Focused on real-time ML integrations for NLP, computer vision, and front-end automation.

WORK EXPERIENCE

AI/ML Trainee – SRDT Training Program

Duration :- May, 2025 - Aug, 2025

- Built full-stack web apps using **Flask, Django, and MongoDB**
- Trained ML models for regression and classification using real-world datasets
- Developed AI-powered tools using Groq API and Hugging Face models (LLama-70B, GPT-2.)
- Key projects: [AI Translator](#), [AI Blog Generator](#), [AI Frontend Generator](#), and [AI Diet Planner](#)
- Learned GitLab for version control, web hosting, and deployment of AI-integrated applications
- Strengthened skills in NLP, transformers, prompt engineering, and ML integration

PROJECTS

FrontAI – Groq LLaMA API (70B), Python (Flask), HTML, CSS

[Link to Demo](#)

- Developed a full-stack AI tool that generates production-ready frontend code (**HTML, CSS, JS**) from user prompts using the **Groq LLaMA 3 API**.
- Designed a modern, responsive UI with CSS, including **live code preview**, **syntax highlighting**, and **multi-tab code display**.
- Integrated **Flask backend** to handle prompt processing, **API calls**, and code response rendering.
- Implemented advanced features: **code copy**, **download as .zip**, **auto-resize input**, **keyboard shortcuts**, and persistent input drafts via **localStorage**.
- Used **Prism.js** for language-specific syntax highlighting and **iframe sandboxing** for **secure preview rendering**.

TranslateAI - Groq LLaMA API (70B), Python (Flask), HTML, CSS

[Link to Demo](#)

- Developed an AI-powered real-time translation tool using **Groq LLaMA API (70B parameters)** for high-accuracy multilingual translations.
- Built the backend with **Python Flask** to handle API integration, translation logic, and real-time communication.
- Designed a responsive frontend using HTML, CSS, ensuring a clean and user-friendly interface.
- Optimized translation speed and scalability for seamless user experience across multiple languages.

EDUCATION

2022 - present	Computer Science and Engineering at SRMCEM	(GPA: 8.1/10.0)
2021 - 2022	Class 12th CBSE	(Grades 70)
2019 - 2020	Class 10th CBSE	(Grades 70)

CERTIFICATION AND RESPONSIBILITY

Certifications: [IEEE\(Idea Generation\)](#), [IdeaFest at SRMCEM](#), [CSX Cybersecurity Fundamentals Certificate \(CSXE\)](#), [Python for data Science](#)

Positions: Head of Community at [HackElite](#) community at college , Football Goalkeeper in college team and Start Startup and manage team

SKILLS

Programming Languages: **Python-(core)** , HTML, CSS, SQL, JavaScript, C, Java basics

AI & ML : ML basics, LLM Integration (e.g., Hugging Face Groq), GenAI, Prompting, OpenCV, mediapipe.

DevOps & Tools: Git, Gitlab, Github, VS Code, Jupyter Notebook, CI/CD.

Spoken Languages : English, Hindi

