

TUSHAR KUMAR

SOFTWARE DEVELOPER

CONTACT

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PROFESSIONAL SUMMARY

Motivated and detail-oriented Software Developer with hands-on experience building real-world AI-powered web applications using Python, Django, FastAPI, and PostgreSQL. Proficient in Generative AI (Gemini API, Hugging Face), automation (Selenium, gTTS), and data handling (Pandas, REST APIs). Strong foundation in Data Structures, Algorithms, and Software Engineering. Currently solving 200+ DSA problems to strengthen core logic. Eager to contribute to impactful projects in a collaborative development environment.

EDUCATION

DR. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY & MANAGEMENT (ADGITM), DELHI

- Bachelor of Technology (B.Tech) in Computer Science 2021 - 2025 | CGPA: 8.89/10

PROJECTS

Civic Complaint Registration Portal

- Developed a web app for registering and tracking civic complaints with real-time status updates
- Implemented role-based access using Django and PostgreSQL for secure user and admin workflows
- Improved transparency and efficiency in complaint resolution by streamlining citizen reporting
- Skills: Python, Django, PostgreSQL, Web Development, Role-Based Access Control, Civic Tech, UX Design

Resume AI (AI-Powered Resume Optimizer)

- Built a full-stack AI system to analyze resumes, identify skill gaps, and recommend personalized projects
- Integrated GPT for smart resume parsing and quizzes; used Django and PostgreSQL for user and skill management
- Improved job readiness through guided upskilling with measurable progress and feedback
- Skills: Python, Django, PostgreSQL, OpenAI GPT, NLP, EdTech, Full-Stack Development

Python Mastery - AI-Enhanced Learning Platform

- Designed a self-paced Python learning platform covering concepts from basics to advanced levels
- Integrated AI assistants into lessons for real-time guidance, explanations, and interactive support
- Automated personalized quizzes with AI to reinforce concepts and assess learner progress after each module
- Skills: Python, Generative AI, EdTech, Instructional Design, Automation, AI Assistants, Personalized Learning

Auto News Summarizer & Sentiment Tracker

- Built a real-time web tool to scrape headlines, summarize news, and analyze sentiment from online articles
- Used Selenium for scraping, Gemini API for summarization, and Pandas to aggregate and export sentiment data
- Automated news digestion to help users consume content faster and make emotion-aware decisions
- Skills: Python, Selenium, Gemini API, Pandas, Web Scraping, NLP, Sentiment Analysis, Automation

Chat-Zone - Real-Time AI Chat Application

- Built a full-stack real-time chat app using Django and WebSockets to enable seamless, two-way communication with AI
- Integrated Generative AI with NLP to generate human-like responses and managed dynamic sessions with live message updates
- Delivered a scalable and responsive platform for intelligent user interaction with a robust backend and interactive frontend
- Skills: Python, Django, WebSockets, Generative AI, NLP, JavaScript, Real-time Communication, Full-Stack Development

GenAI Hub - Multi-Modal Generative AI Platform

- Developed a centralized platform to experiment with text, image, audio, and chatbot use cases using Generative AI
- Integrated APIs like Hugging Face Transformers, gTTS, and custom prompt pipelines in Python
- Enabled fast prototyping and testing of creative GenAI ideas through a modular, reusable architecture
- Skills: Python, Generative AI, Hugging Face, gTTS, Prompt Engineering, API Integration, Modular Design

TECHNICAL SKILLS

- Programming Languages: Python
- Web Frameworks: Django, FastAPI
- AI & Automation: Generative AI (Gemini API, Hugging Face, Google GenAI), Prompt Engineering, gTTS, Vosk, Fine-tuning LLMs, Selenium, Web Scraping, Structured Logging
- Data & Backend: REST APIs, PostgreSQL, Pandas
- CS Fundamentals: Data Structures & Algorithms, DBMS, OOP, Operating Systems

RELEVANT COURSEWORK

- Data Structures & Algorithms
- Object-Oriented Programming
- Operating Systems
- DBMS
- Computer Networks
- Software Engineering
- Web Development
- Machine Learning

CERTIFICATES

- Python Programming - Infosys Springboard
- Django Web Framework - Infosys Springboard
- Web Dev basics-Infosys Springboard

KEY HIGHLIGHTS

- Completed 10+ end-to-end projects
- Maintained 10+ GitHub repositories
- Solved 200+ DSA problems to strengthen core algorithmic skills

HOBBIES AND INTERESTS

- Fitness
- Music
- Travelling
- Cricket
- Self-Improvement