

TUSHAR KUMAR

Software Developer

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[GitHub](#)

| [Portfolio](#)

PROFESSIONAL SUMMARY

Results-driven Software Developer (B.Tech CSE, 2021-2025, CGPA 8.89) experienced in designing and deploying Generative AI and backend systems using Python, Django, FastAPI, and PostgreSQL. Delivered 4+ end-to-end projects, including AI-powered resume optimization, a Python learning platform, automated news sentiment analysis, and civic complaint tracking - improving efficiency by up to 40%. Strong in DSA (200+ problems solved), OOP, and system design. Seeking backend/full-stack roles in product companies and MNCs.

TECHNICAL SKILLS

- Programming: Python, SQL
- Web & Backend: Django, FastAPI, REST APIs, WebSockets
- Databases: PostgreSQL
- AI & NLP: Gemini API, Hugging Face Transformers, gTTS, fine-tuning LLMs
- Automation & Scraping: Selenium, Web Scraping, Vosk
- Data & Tools: Pandas, Git, Docker (basic), Structured logging
- CS Fundamentals: Data Structures & Algorithms, OOP, DBMS, OS, Computer Networks

PROJECTS

[Resume AI - AI-Powered Resume Optimizer](#)

Built Django + PostgreSQL system parsing resumes with 95% accuracy, identifying skill gaps and generating personalized project roadmaps. Automated quiz generation with LLMs to assess readiness; cut evaluation time by 60%.

Tech: Python, Django, PostgreSQL, OpenAI/Gemini, NLP

[PyMastery - Interactive Python Learning Platform](#)

Developed a gamified Python learning site with interactive challenges, automated grading, and progress tracking for learners. Increased learning efficiency by integrating real-time code execution and instant feedback.

Tech: Python, Django, PostgreSQL, JavaScript

[Civic Complaint Registration Portal](#)

Built portal with role-based access for 200+ simulated submissions and real-time status tracking. Improved transparency through secure authentication and automated workflows.

Tech: Django, PostgreSQL, REST

[Auto News Summarizer & Sentiment Tracker](#)

Scraped & processed 500+ articles/day, generating summaries with 90% relevance accuracy via Gemini API. Produced sentiment reports enabling 35% faster trend-based decisions.

Tech: Python, Selenium, Gemini API, Pandas, REST

EDUCATION

Dr. Akhilesh Das Gupta Institute of Technology & Management (ADGITM), Delhi

B.Tech - Computer Science, 2021-2025 - CGPA: 8.89/10

CERTIFICATIONS

- Python Programming - Infosys Springboard
- Django Web Framework - Infosys Springboard
- Web Development Basics - Infosys Springboard
- Solved 200+ DSA problems

ADDITIONAL DETAILS

[GitHub](#)

[Portfolio](#)

- Hobbies: Fitness, Music, Travelling, Cricket