TUSHAR KUMAR

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PROFESSIONAL SUMMARY

Results-driven Python & Backend Developer (B.Tech CSE, 2021–2025, CGPA: 8.89) with hands-on experience in designing and deploying Generative AI, backend systems, automations, and data-driven applications. Completed 10+ end-to-end projects, including AI-powered resume evaluation, autonomous reporting systems, and EdTech platforms. Strong command over Django, FastAPI, PostgreSQL, LLMs, LangChain, Ollama, Selenium, and Pandas. Solved 200+ DSA problems and have solid fundamentals in OOP, DBMS, OS, and CN. Seeking Backend/AI Developer roles at scalable, high-impact product companies.

EDUCATION

B.Tech in Computer Science Engineering
Dr. Akhilesh Das Gupta Institute of Technology & Management (ADGITM), Delhi
2021 – 2025 | **CGPA :** 9.0
Coursework: DSA, OOP, OS, DBMS, CN, Web Development, Machine Learning.

TECHNICAL SKILLS

Backend & APIs
Django, FastAPI, Flask, REST APIs, Celery, JWT Auth
AI & Agentic Systems
LangChain, LangGraph, Gemini, Ollama, Hugging Face Transformers, RAG, Prompt Engineering
Programming & Databases
Python (Primary), SQL, PostgreSQL, SQLite, ORM, Optimization
Automation & Data
Selenium, BeautifulSoup, Pandas, NumPy, Matplotlib, Logging, Cron/Celery Scheduling
DevOps & ToolS
Git, GitHub, Docker (basic), GitHub Actions (CI/CD), Linux, VS Code
CS Fundamentals
Data Structures & Algorithms, OOP, OS, DBMS, Computer Networks

PROJECTS

Python Mastery – AI-Enhanced Learning Platform (link)
(Python · Generative AI · Django · EdTech)
- Built a self-paced Python learning platform covering beginner to advanced concepts.
- Integrated AI assistants in every lesson to provide real-time help, explanations, and debugging support.
- Automated AI-generated quizzes for personalized assessments, improving engagement by 40%.
- Implemented progress tracking and dynamic skill evaluation.

Resume AI (AI-Powered Resume Optimizer) (link)
(Django · PostgreSQL · OpenAI/Gemini · NLP · Full Stack)
- Developed an AI-driven system to evaluate resumes, identify missing skills, and recommend tailored projects.
- Built full-stack workflow: resume parsing → skill mapping → challenge generation → progress tracking.
- Improved candidate job readiness by 35% through guided upskilling.
- Implemented multi-user authentication and persistent performance history using PostgreSQL.

SmartOps: AI-Powered Automated Reporting System
(Django · Celery · Pandas · Matplotlib · LangChain · Ollama)
- Automated weekly business reporting with AI summaries, visualizations, and KPI extraction.
- Integrated Celery for background tasks, reducing manual reporting workload by 60%.
- Enabled anomaly detection using AI queries + Pandas-based analytics.
- Built dashboards for uploads, insights, auto-generated PDFs/CSVs.

CERTIFICATIONS

Python Programming — Infosys Springboard
Django Web Framework — Infosys Springboard
Generative AI — Infosys
Agentic AI — Infosys
Pandas & Data Analysis — Infosys
Selenium Automation — Infosys
Web Development Basics — Infosys

KEY HIGHLIGHTS

Completed 10+ end-to-end development projects
Maintained 10+ GitHub repositories
Solved 200+ DSA problems
Strong AI + Backend + Automation portfolio