

TUSHAR JAJU

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EDUCATION

Bachelor of Technology, Computer Science and Engineering *Ongoing*
ABES Engineering College, Ghaziabad (AKTU) *Current GPA: 7.00*
Relevant Coursework: Data Science, Machine Learning, Database Systems
Senior Secondary (XII), CBSE Board *2021*
Bedi International School, Bareilly *93%*

TECHNICAL SKILLS

- **Languages:** Python, C, C++, SQL
- **Data Tools:** Excel, Power BI, Pandas, NumPy, Scikit-learn
- **Visualization:** Seaborn, Matplotlib, Streamlit
- **Frameworks:** PyTorch, TensorFlow
- **Version Control:** Git, GitHub

ACADEMIC PROJECTS

Automated EDA Pipeline with Domain-Specific Insights *Oct 2025 – Present*
Developed production-grade automated exploratory data analysis system with intelligent column type detection and multi-tier insight generation. Implemented configurable inference engine applying domain-specific validation rules (outlier detection, cardinality thresholds, temporal pattern recognition) to generate statistical summaries, business interpretations, and predictive recommendations. Engineered modular transformation pipeline supporting categorical encoding, numerical scaling, and missing value imputation strategies.
Tech Stack: Python (Pandas, NumPy, Scikit-learn), Matplotlib, Seaborn

YouTube Transcript Summarizer *Dec 2023 – Present*
Engineered end-to-end video transcription and summarization application deploying 7-billion-parameter language models (Llama 2/Mistral) optimized for consumer GPUs through 4-bit quantization and Flash Attention integration. Implemented multilingual audio processing pipeline using Whisper/Faster-Whisper ASR models. Built Streamlit interface enabling real-time transcript generation with one-click DOCX export functionality, reducing manual documentation time by 80%.
Tech Stack: Python, PyTorch, Hugging Face Transformers, Whisper, Streamlit

Tech Layoffs (2020–2025) – Interactive Analytics Dashboard *Jul 2025 – Aug 2025*
Live Link: tushar9802-tech-layoffs-analysis.streamlit.app
Built interactive data visualization dashboard analyzing 2,500+ global tech layoff events across 5-year period. Designed proprietary quantitative metrics (Layoff Instability Score, Fragility Index, Bounceback Score) to measure industry volatility and organizational resilience. Implemented dynamic filtering, temporal trend analysis, and comparative company performance tracking.
Tech Stack: Python (Pandas, Seaborn, Matplotlib), Streamlit

EXPERIENCE

Data Science Intern – Vinkura AI *Aug 2025 – Present*
Performed exploratory data analysis and predictive modeling on large-scale datasets. Automated workflows using Python and SQL, reducing manual reporting effort by 20%. Collaborated in model evaluation and version-controlled pipelines using Git.

ACHIEVEMENTS

- 5-Star Rank in Python • HackerRank
- 3-Star Rank in Problem Solving • HackerRank
- Solved 300+ coding problems across platforms

CERTIFICATIONS

- Python, SQL, Problem Solving • HackerRank
- CISCO Networking Academy – Python
- IBM Data Analytics Professional Certificate