

# Tushar Kumar Gautam

+91 9927639137 | [tushargautamiitr@gmail.com](mailto:tushargautamiitr@gmail.com) | [linkedin.com/in/tushar](https://linkedin.com/in/tushar) | [github.com/tushar](https://github.com/tushar)

## EDUCATION

**Indian Institute of Technology, Roorkee**  
*Bachelor of Technology in Electrical Engineering*

Uttarakhand, India  
2022 – Present

## EXPERIENCE

### Data Scientist

May 2025 – July 2025

*PocketFM*

Remote

- Analyzed large-scale user behavior data to identify early churn indicators and enable targeted retention strategies.
- Segmented 2M+ users into behavior-based cohorts to identify high-risk groups and enhance personalization efforts.
- Evaluated A/B experiments by comparing session, impression, and click metrics to drive data-driven product decisions.
- Built an NLP pipeline for 50K+ user reviews to extract sentiment and uncover key product issues for feature improvements.

## PROJECTS

### Full-Stack NLP Intelligence Platform | *Python, Flask, spacy, GroqAPI* (GitHub)

Jan 2026 - Jan 2026

- \* Engineered a secure Flask/Python web app with session-based authentication and modular backend architecture.
- \* Implemented a robust user management system featuring protected routing and secure JSON data persistence.
- \* Developed a real-time NLP inference pipeline integrating spaCy and TextBlob for instant text analysis.
- \* Architected a multi-tier system decoupling authentication, NLP processing, and UI for enhanced maintainability.

### AI Resume Analyzer & Job Matcher | *Python, ML, Flask, Streamlit* (GitHub)

Dec 2025 – Dec 2025

- \* Built an NLP system comparing 800+ resumes against 200+ job descriptions using TF-IDF and cosine similarity.
- \* Used spaCy NER to extract skill entities across 20+ domains, enabling structured candidate profiling.
- \* Designed ranking logic prioritizing job-specific attributes to improve screening consistency and throughput.
- \* Built REST APIs and a Streamlit dashboard to deliver real-time insights and batch evaluation.

### Credit Card Default Prediction | *Python, numpy, pandas, matplotlib, seaborn* (GitHub)

Sep 2024 – Sep 2024

- \* Developed an end-to-end credit card default prediction model with EDA, preprocessing, and feature engineering.
- \* Handled class imbalance using SMOTE and compared ML algorithms to identify the best model.
- \* Optimized the model using the F2-score, selecting Random Forest for high recall.
- \* Built a complete ML pipeline with threshold tuning and validation on unseen data.

## TECHNICAL SKILLS

**Programming:** Python, SQL, C++

**ML & Deep Learning:** PyTorch, TensorFlow, Scikit-learn

**NLP & GenAI:** Transformers, LangChain, HuggingFace, RAG

**MLOps & CI/CD:** Model Versioning, Experiment Tracking, Pipelines, Docker, GitHub Actions

**Backend & Serving:** FastAPI, Flask, Streamlit

**Data & Tools:** Pandas, NumPy, Matplotlib, Seaborn, Git, Jupyter, VS Code