SHIVAM KUMAR YADAV

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PROFESSIONAL SUMMARY

Data Science and Machine Learning professional with expertise in building end-to-end ML solutions, NLP application, and production-grade MLOps pipelines. Experienced in developing predictive models, implementing CI/CD workflows, and leveraging generative AI technologies to solve complex business problems.

EXPERIENCE

Machine Learning Intern   *Aug 2024 – Oct 2024*
Slash Mark (AICTE collaboration)

- Completed intensive virtual internship in Machine Learning, officially recognized by the All India Council for Technical Education (AICTE).
- Developed production-ready ML models with a focus on real-world business applications.
- Implemented end-to-end ML workflows, including preprocessing, feature engineering, training, and deployment.

Data Analytics Job Simulation (Forage)   *June 2025*
Deloitte Australia (Forage Virtual Program)

- Completed comprehensive job simulation in data analytics and forensic technology consulting.
- Engineered interactive dashboards using Tableau to visualize complex datasets and communicate insights.
- Conducted advanced data classification and analysis in Excel to support strategic business decisions.

LEADERSHIP EXPERIENCE

Commanding Officer, NSS Unit   *2024 – 2025*
Chouksey Engineering College

- Successfully led 100+ volunteers, managing various tasks and responsibilities for NSS activities across multiple community initiatives.
- Coordinated four one-day camps and one seven-day camp, ensuring successful execution and stakeholder engagement.
- Enhanced teamwork, communication, and problem-solving skills by leading large groups and organizing impactful community service events.

TECHNICAL SKILLS

Programming Languages: Python, SQL	**ML & Data Science:** Pandas, NumPy, Scikit-learn, XGBoost, LightGBM
Visualization: Matplotlib, Seaborn, Excel, Power BI, Tableau	**Tools & Technologies:** Streamlit, Git, GitHub, VS Code, Jupyter Notebook
Deep Learning & NLP: TensorFlow, Keras, Transformers, NLTK, spacy	**MLOps & Tools:** Git, GitHub, MLflow, GitHub Actions

PROJECT

Global Translator | Multi-Language Translation App

- Built a 70+ language translator with real-time text translation(mtranslate) and gTTS-powered audio playback and downloads.
- Designed a modern dark-themed UI with custom CSS, responsive layouts and interactive user controls.

Loan Approval Predictor | ML Classification App

- Experimented with multiple ML classification algorithms and selected Logistic Regression for deployment due to its strongest accuracy and stability on the loan dataset.
- Designed an interactive Streamlit UI to capture applicant & financial details and generate real-time, probability-based loan approval predictions.

EDUCATION

Bachelor of Technology (B.Tech)   *2025*
Chouksey Engineering College

XII (CBSE)   *2021*
Burgess English Higher Secondary School

CERTIFICATIONS & ACHIEVEMENTS

Data Science Professional – Oracle	**Generative AI Professional** – Oracle
Data Analytics Job Simulation – Deloitte	**AI Skills Passport** – EY & Microsoft
Machine Learning – IBM	**NSS 'C' Certificate** – CSVTU (National Level)
AIML Data Analysis Workshop – ISRO (7-Day)	