

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, 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

Data Analytics Job Simulation – Deloitte

Machine Learning – IBM

AIML Data Analysis Workshop – ISRO (7-Day)

Generative AI Professional – Oracle

AI Skills Passport – EY & Microsoft

NSS 'C' Certificate – CSVTU (National Level)