

JANNET AKANKSHA EKK

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PROFESSIONAL SUMMARY

Data Scientist transitioning from **4 years of automation and analytics** experience to **data-driven decision-making**. Expertise in **machine learning, deep learning, NLP, and predictive analytics**, with a strong foundation in **data engineering, statistical modelling, and visualization**. Proven ability to extract **actionable insights from large datasets**, optimize workflows, and deploy machine learning solutions. Passionate about **bridging AI and automation** to drive **business impact and operational efficiency**.

TECHNICAL SKILLS

Data Science & Machine Learning

Python, SQL, Pandas, NumPy, Matplotlib, Seaborn, Tableau, scikit-learn, ensemble techniques, Regression, Classification, TensorFlow, Keras, CNN, Transfer Learning, NLTK, Word Embeddings, Sentiment Analysis

Model Deployment & MLOps

Docker, Kubernetes, Flask, FastAPI, Pickle, Joblib

Software Testing & Automation (QA Experience)

Selenium, Postman, Automated Web scraping, API Testing, PyTest, JIRA, Katalon Studio

EDUCATION

Post Graduate Program in Artificial Intelligence and Machine Learning (2024-2025)

Texas McCombs School of Business & Great Lakes Institute of Management

Bachelor of Technology in Information Technology (2015-2019)

KIIT Deemed to be University, Bhubaneswar

DATA SCIENCE PROJECTS (Top 3)

1. Automotive Surveillance System – Capstone (Computer Vision & Deep Learning)

- Collaborated and developed an **AI-powered vehicle surveillance system**, achieving **69.20% accuracy** in car classification using **ResNet50**.
- Implemented **Fast R-CNN** for **object detection**, processing **16,185 images** across **196 vehicle classes**.
- Serialized the trained model using **Pickle** and **chunk systems**, allowing efficient reuse in different applications.
- Business Impact**: Improved **real-time vehicle monitoring** for smart surveillance systems.
- Technologies**: TensorFlow, OpenCV, Keras, Docker, Flask

2. Customer Churn Prediction (Machine Learning & Business Analytics)

- Built a **churn prediction model**, achieving **81.48% accuracy** with **Random Forest & Gradient Boosting**.
- Created a **data-driven retention strategy**, identifying high-risk customers based on service usage patterns.
- Serialized the model using **Joblib** for efficient storage and retrieval.
- Business Impact**: Helped reduce **customer attrition**, improving telecom retention rates.
- Technologies**: scikit-learn, SQL, FastAPI

3. Stock Market Sentiment Analysis (NLP & Finance)

- Built a **financial news sentiment classifier**, leveraging **Mistral-7B embeddings** and **transformers**.
- Achieved **F1-score: 0.52** (validation), **0.37** (test), identifying market trends from financial articles.
- Serialized the NLP model using **Pickle** for seamless integration into financial analysis pipelines.
- Business Impact**: Assisted traders and analysts in real-time sentiment tracking for financial decision-making.
- Technologies**: NLTK, Word Embeddings, Transformers, huggingface

PROFESSIONAL EXPERIENCE

INTERSHIP STUDIO, Remote

Machine Learning Intern (Jul 2024 – Aug 2024)

- Developed a **Random Forest model** ($R^2 = 0.252$) for predicting **YouTube ad views** based on video engagement metrics.
- Processed **15,000+ videos**, uncovering trends in audience retention and ad revenue.
- Deployed the model using **Pickle** for serialization, allowing seamless integration with **business dashboards**.
- **Business Impact**: Provided data-driven insights for ad revenue optimization and marketing strategies.
- **Technologies**: scikit-learn, Pandas, Seaborn, Pickle

DELOITTE CONSULTING LLP, Bangalore

Test Automation Engineer (Aug 2019 - Jan 2023)

- Led a **6-member QA team** to automate and optimize **testing pipelines** for **Salesforce & enterprise** applications.
- Developed automation components using **Selenium** & Katalon, improving test efficiency by **83%**.
- Conducted API testing (**Postman, SoapUI**), ensuring system stability.
- Analyzed test execution data to identify failure patterns and improve **automation frameworks**.
- **Technologies**: Selenium, Python, JavaScript, Git, JIRA

ACHIEVEMENTS

- Successfully completed **Benjamin Bennett Alexander's book '50 Days of Python: A Challenge a Day'**.
- **2 Spot Awards** at Deloitte for outstanding project contributions
- **Applause Award** for exceptional work on Hewlett Packard Enterprise – Configure, Price, Quote project.

CERTIFICATIONS

- **Post Graduate Program in Artificial Intelligence and Machine Learning** - Texas McCombs & Great Lakes (2025)
- **CPSAT - Certified Professional Selenium Automation Testing** (2022)