

ADITYA SINGH CHAUHAN

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SUMMARY

Final-year B.Tech CSE student with project experience in **data analytics, machine learning, NLP, and deep learning**. Proficient in **Python, SQL, data analysis, and model development**. Seeking entry-level **Data Analyst / AI-ML** roles.

EDUCATION

B.Tech – Computer Science Engineering, KIIT University

2022 – Present

CGPA: 7.05/10

Relevant Coursework: Data Structures, Algorithms, Machine Learning, Artificial Intelligence

TECHNICAL SKILLS

Programming: Python, C, C++, C#

Data & Analytics: Data Cleaning, EDA, Feature Engineering, KPI Analysis

ML / AI: NLP, CNN, RNN, LSTM, Model Evaluation

Tools: Pandas, NumPy, TensorFlow/Keras, Scikit-learn, SQL, Streamlit, Excel, Git

PROJECTS

AI-Powered Business Insights Generator —*Python, Pandas, NLP, OpenAI/Groq API, Streamlit*—

- Developed an AI-driven application to analyze structured business data and generate **automated insights and summaries**. Implemented **data preprocessing, prompt engineering, and NLP pipelines** to support business reporting and decision-making.

Banking Credit Risk Analysis —*Python, SQL, Data Analysis*—

- Performed **EDA and credit risk analysis** on retail banking data to identify default risk drivers. Built an **interpretable customer risk scoring model** using credit score, income, and loan exposure. Conducted **customer risk segmentation and default analysis** to generate portfolio risk insights.

Lung Cancer Detection using CNN —*Python, TensorFlow, OpenCV*—

- Developed a **CNN-based medical image classification model** to detect lung cancer from CT scan images. Applied **image preprocessing, data augmentation, and hyperparameter tuning**. Evaluated performance using **ROC curves and confusion matrices**.

NLP-Based Text Classification —*Python, NLP, Scikit-learn*—

- Built an **NLP text classification system** using **TF-IDF and word embeddings**. Compared **Naive Bayes, SVM, RNN, and LSTM** models for sentiment analysis and performance evaluation.

CERTIFICATIONS

Business Analytics – UCB (Coursera)

Strategy & Game Theory – IIMA (Coursera)

GenAI Data Analytics – Tata (Forage)

High Performance Collaboration: Leadership, Teamwork, and Negotiation – NU(Coursera)

Product Management Job Simulation – EA(Forage)

ACHIEVEMENTS

Table Tennis National Player; District-level Swimming and Badminton