

# Gourav Gulia

Data Scientist / Data Analyst

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## EDUCATION

Chandigarh University, Mohali

M.Sc. Data Science

July 2022 - May 2024

CGPA/Percentage: 6.07

Shivaji College, University of Delhi

B.Sc. Applied Physical Science

June 2019 - March 2022

CGPA/Percentage: 6.67

## TECHNICAL SKILLS

Languages: Python, R

**Hard Skills:** Machine Learning, Deep Learning, Natural Language Processing (NLP), Data Cleaning, Data Preprocessing, Data Visualization, Computer Vision, Statistical Analysis, Linux, Excel, Power BI, Big Data, Statistical Modeling, Data Mining, LSTM, Transformers, ETL, EDA, Docker, Kubernetes, GitHub Actions, Git, Artificial Intelligence, AI, PySpark, Azure, Data Manipulation, Quality Management, Algorithm Design

**Frameworks:** Scikit-Learn, TensorFlow, Keras, NumPy, Pandas, PyTorch, Transformers, Bert, GPT

**Cloud/Databases:** MongoDB, SQL

## PERSONAL PROJECTS

Implemented Intent Detection Using RNN, GPT based Transformers with 0.85 Accuracy | [Link](#)

May 2024

Engineered an Intent Detection model amalgamating Transformer and RNN frameworks, attaining a commendable 0.85 accuracy score.

- Prepared multiple RNN layers and dense hidden layers, boosting model performance by 30%.
- Conducted rigorous experimentation for optimal architecture and hyperparameters with improvement of 2%.

Developed FDI Analysis Dashboard using Power BI and Excel | [Link](#)

April 2024

Integrated Power BI & Excel to pioneer an FDI dashboard, achieving 95% forecasting accuracy.

- Led optimization efforts, resulting in 30% deeper insights and 40% faster reporting.
- Analyzed advanced data modeling techniques into FDI inflows and outflows with 10% faster loading time.

Text Summarization with Transformers on XSum Dataset | [Link](#)

January 2024

Developed a transformer-based text summarization model, scoring 0.92 Rouge-1 on XSum, advancing NLP significantly.

- Orchestrated innovative Transformers for summarization demonstrated a 25% improvement in accuracy.
- Spearheaded a data-driven analysis project with high ROUGE scores resulting in a 30% improvement in model performance.

Movie Reviews Sentiment Analysis | [Link](#)

January 2024

Employed advanced sentiment analysis techniques to assess 50,000 movie reviews.

- Achieved exact sentiment analysis on a 50k movie review dataset using ensemble LSTM, reaching an 86% accuracy..
- Generated a high-performing ROC curve with an AUC score of 0.92, proving superior model performance.

Computer Vision Classification Project | [Link](#)

June 2023

Built 97% accuracy image classification model using deep learning on 25,000 images.

- Leveraged deep learning Convolutional Neural Networks (CNNs), on a 25,000-image dataset to achieve 97% accuracy.
- Spearheaded innovative neural network architectures facilitated a 20% improvement in image processing efficiency.

## EXPERIENCE

CodSoft | [Link](#)

August 2023

Data Science Intern

Remote

- Balanced highly imbalanced dataset with minority class at 0.1% through under-sampling.
- Executed Sales Prediction projects using RNN and LSTM models with 95% accuracy.
- Performed data pre-processing in Python, reducing noise by 25% and enhancing accuracy by 15% via feature selection.

## CERTIFICATIONS

- SQL INTERMEDIATE | [HACKERRANK](#) / [Link](#)
- NLP | [INEURON](#) / [Link](#)