# Komendra Sahu

✉ your.sahukomendra721@gmail.com  in linkedin.com/in/komendrasahu  ◯ github.com/Komu12ee
📍 City, India  🌐 https://komu12ee.github.io/komendra/

## Objective

Motivated Computer Science student passionate about data-driven problem-solving, machine learning, and AI applications. Seeking a Data Science internship at Google to apply statistical modeling, data visualization, and predictive analytics for real-world impact.

## Education

**M.Tech in Data Science And Artificial Intelligence**, IIIT NAYA RAIPUR ,Raipur                    *Batch: 2027*

**B.Tech in Computer Science and Engineering**, Government Engineering College , Raipur          *Batch: 2025*

## Technical Skills

**Languages:** Python, SQL, C
**Libraries & Tools:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Streamlit, Git, Tableu
**Databases:** MySQL, MongoDB
**Areas:** Data Cleaning, EDA, Feature Engineering, Statistical Inference, Model Evaluation, A/B Testing, NLP Basics

## Projects

**Customer Segmentation Using K-Means (Unsupervised ML)**                    *Python, Scikit-learn, Power BI*
- Clustered customers based on purchasing behavior using K-Means on a 10K-record dataset.
- Achieved 92% silhouette score after dimensionality reduction (PCA).
- Visualized clusters with Seaborn and Power BI dashboards.

**Sentiment Analysis on Twitter Data**                    *Python, TensorFlow, Streamlit, NLP*
- Collected 20K tweets via Twitter API, cleaned text, trained logistic regression and LSTM models achieving 87% accuracy.
- Built an interactive Streamlit app for live tweet sentiment visualization.

**Loan Default Prediction (Supervised ML)**                    *Python, Scikit-learn, Flask, Git*
- Cleaned and analyzed 15K loan records, handled imbalance with SMOTE.
- Trained Random Forest model achieving F1-score of 0.91.
- Deployed as a Flask API for prediction service.

## Research & Achievements

- Published paper: *"Dynamic Query Handling with RAG Fusion for PDF-Based Knowledge Retrieval Systems"* – available on IEEE Xplore (2025)
- Top 22% in Kaggle "Predicting Road Accident Risk" (2025)
- Selected as a finalist in the Chhattisgarh Government's Ideathon contest for our startup idea at the regional innovation challenge.

## Certifications

- MLOps by Pranjal Yadav (DSMP-2.0)
- Machine Learning by Kirill Eremenko (Udmey)
- SQL for Data Science (DSMP-1.0 by Nitish)

## Leadership & Activities

- I always Lead my team in every HACKTHON.
- District Level Basketball player .
- Volunteer at Google Developer Student Club – Data Science Division.