CHANNAKESHAVA REDDY

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Profiles

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Summary

Aspiring Data Scientist with hands-on experience in predictive modeling, machine learning deployment, and data-driven decision-making. Seeking to apply technical skills and business acumen to drive impactful solutions.

Skills

Programming Languages: Python, SQL, R, Bash
Machine Learning: Scikit-learn, XGBoost, RandomForest, Logistic Regression, SVM, Clustering, PCA
Deep Learning & Neural Networks: TensorFlow, Keras CNN, LSTM, Transformers,NLP
Soft Skills: Problem-Solving, Analytical Thinking, Team Collaboration
Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn
Cloud & Deployment: Flask, Streamlit, Firebase, Render, Docker (basic)
Version Control: Git, GitHub,
Tools & Platforms: Jupyter Notebook, VS Code, Google Colab

Experience

Unified Mentor :**Data Science intern|** February 2025 – April 2025
Developed a machine learning model using Logistic Regression to predict employee attrition Achieved **85% model accuracy** on validation data.
Performed data cleaning, feature engineering, and model evaluation using Python (Pandas, Scikit-learn) Visualized key insights using Matplotlib and Seaborn to assist HR decision-making.
Documented the project workflow and results for internal stakeholders.

Education

RNS Institute of Technology
Bachelor of Technology (B.Tech) in Artificial Intelligence and Data Science
Expected Graduation: 2026 | GPA: 7.0/10.0

Projects

Customer Churn Prediction
Python, Pandas, NumPy, Logistic Regression, Random Forest
Built predictive models to identify at-risk customers with **82% accuracy ,**Analyzed **50,000+ customer records** to detect key churn indicators

Large-Scale Image Captioning & Retrieval System
Python, TensorFlow, Keras, CNN, LSTM, Flask, Transformers
Built an end-to-end image captioning system that generates descriptive captions from input images. Combined a pre-trained CNN (InceptionV3) for feature extraction with an LSTM-based language model for sequence generation.

Face Recognition Security System
Developed an **automated security system** that recognizes authorized users using facial recognition.
Implemented **face detection, encoding, and verification pipeline** with real-time recognition through OpenCV.
Configured and troubleshooted Python environment, resolving dependency conflicts (dlib, face_recognition, Pillow).
Designed the system to automatically log and restrict access for **unknown or unauthorized users**.

Certification

Machine Learning with Python – IBM

Google Analytics Certification - Google Skillshop

Introduction to Machine Learning – Microsoft

Deep Learning – IIT Ropar (NPTEL)

Introduction to AI and Machine Learning on Google Cloud – Google