Krishna Rana

✉ rana345212@gmail.com 📞 9668582461 📍 Balasore, Odisha in krishna-rana-b38265231

 KrishnaRana238

WORK EXPERIENCE

Prodify Infotech

Data Science Intern   Aug 2024 - Sep 2024

• Conducted data cleaning, preprocessing and analysis on datasets with 10000+ records, applying visualization techniques to identify key trends and patterns.
• Improve data quality and integrity by 30%, enhancing analytical accuracy, ensuring reliable insights, and supporting more informed business decisions.
• Automated daily tasks using Python and SQL, including data extraction, transformation, and loading (ETL), reducing manual efforts by 40%, improving processing speed, and enabling timely, data-driven decision-making across multiple business functions.

EDUCATION

Lovely Professional University

Bachelor of Technology(CSE) - 7.3   Sept 2022 - Mar 2026

PROJECTS

Clang - Ai Chatbot 🔗   March 2025 - July 2025

• Developed a full-stack Ai-powered chatbot using Django, REST APIs, Python, NLTK, SpaCy, and LLMs, handling 5000+ queries across medical , technical and general domains.
• Trained on 1000+ structured datasets with 99% uptime, real-time interaction, secure APIs, and sub-3s response time.
• Deployed scalable cloud backend with SQLite, boosting performance by 40% via caching and ensuring >95% accuracy through end-to-end testing.

QuizMaster 🔗   April 2025 - June 2025

• Developed an full stack Django web application with secure user registration, role-based access control, and dynamic quiz management, scaling to 100+ active users.
• Implemented interactive features such as real-time leaderboards, personalized dashboards, and instant quiz results, improving user engagement by 35% and boosting retention.
• Designed a responsive, modern UI and Bootstrap 5 and dark/light theme support, ensuring 100% cross- device compatibility across desktop, tablet and mobile platforms.

Weather Prediction Model Comparison   Nov 2024 - Dec 2024

• Developed a weather-prediction model in R using machine learning algorithms (KNN, SVM, Decision Tree, Random Forest, Naive Bayes), achieving up to 96% accuracy on test data.
• Performed data preprocessing, including handling missing values, normalization and feature selection, splitting dataset into 70% training and 30% testing.
• Evaluated models using accuracy, precision, recall, and F1-score, analyzing trade-offs to identify the best-fit algorithm for prediction.

SKILLS

Languages: Python, C, C++, JavaScript, R, HTML, CSS, SQL
Frameworks: Django, Flask, React, Tailwind CSS
Libraries: Machine Learning, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, NLTK
Databases: MySQL, SQLite
Tools/Platforms: Git, GitHub, REST API, Tableau, Postman, JSON, Power BI, Excel, Unity
Soft Skills: Problem Solving, Decision Making, Prioritization, Active Listening

CERTIFICATE

Social Networks at NPTEL 🔗
Data Science Internship 🔗