
Mr. Rajesh Rana

Balasore, Odisha, India

+91 9078756729

rr15908@gmail.com[LinkedIn Profile](#)[Github](#)[Project Portfolio](#)

PROFESSIONAL SUMMARY

With 1 years of experience in AI and possess of R&D experience in engineering domain with comprehensive industry knowledge in performing **Data Extraction, Data Mining, Data Cleaning, Data Exploration, Data Visualization, Statistical Modeling** of structured and unstructured datasets as well as implementing large-scale **Machine Learning** and **Deep Learning Algorithms** to deliver resourceful solutions solving real-world business problems.

TECHNICAL SKILLS

Languages	Python, SQL, PostgreSQL
Analytical Techniques	<i>Regression Methods:</i> Multiple Linear, Polynomial, Decision Trees; <i>Classification:</i> Logistic Regression, K-Nearest Neighbor, Principal component Regression, Naïve Bayes, Support Vector Machines (SVM); <i>Ensemble Learning:</i> Random Forests, Gradient Boosting, Bagging; <i>Clustering:</i> K-means clustering, Hierarchical clustering; <i>Deep Learning:</i> Artificial Neural Networks, Convolutional Neural Networks, Recurrent Neural Networks; <i>Dimensionality Reduction:</i> Principal Component Analysis (PCA) .
Database	SQL, PostgreSQL
Statistical Tests	Hypothesis Testing, ANOVA, z-test, t-test, Chi-Squared Fit test, Correlation test, A/B test, Normality test, Residual diagnostic test, Outliers and Influential observation test
Validation Techniques	Validation set approach, k-fold cross validation, LOOCV, Bootstrap
Optimization Techniques	Multivariate Newton's method
Programming	Python (numpy, pandas, scikit-learn, scipy, seaborn, tensorflow)

Data Visualization	Tableau, Microsoft PowerBI, Python (Matplotlib, Seaborn)
Data Modeling	Entity Relationship Diagrams (ERD), Snowflake Schema
Operating Systems	Microsoft Windows

WORK EXPERIENCE

Weai Labs, Chennai (Remote)

05/2021 – 05/2022

AI Inter-Trainee

<https://weai.co.in/>

- Implemented the business needs for my role and studied on those courses.
- Oversaw and created technical projects using Jupiter Notebook and VSCode IDE.
- Utilized Python to process large streaming datasets, and studied that data's ingestion and processing speed.
- Analyzed the basics of Tableau and PowerBI software and their working to deliver report.
- Formed hypotheses, and tested ideas to determine the viability of operation outcomes.
- Given a minimum of 40 hours per week for the internship.
- Used AWS cloud for understanding the work in a remote server.

ACADEMIC

Bachelor of Technology (*Electrical and Electronics Engineering*)

07/2017 – 05/2021

GIET University, Gunupur, India

Tools

Python/SQL
PowerBI/Matplotlib/Tableau/Seaborn
Sklearn/Tensorflow
AWS

Languages

English (Proficient)
Odia (Intermediate)
Hindi (Proficient)

Hobbies & Interests

Tech-Savvy
Artificial Intelligence
Ancient Sciences
Current Affairs