Mr. Rajesh Rana
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LinkedIn Profile
Github

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	*Regression Methods*: Multiple Linear, Polynomial, Decision Trees; *Classification*: Logistic Regression, K-Nearest Neighbor, Principal component Regression, Naïve Bayes, Support Vector Machines (SVM); *Ensemble Learning*: Random Forests, Gradient Boosting, Bagging; *Clustering*: K-means clustering, Hierarchical clustering; *Deep Learning*: Artificial Neural Networks, Convolutional Neural Networks, Recurrent Neural Networks; *Dimensionality Reduction*: 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   **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 (Internediate)
Hindi (Proficient)

Hobbies & Interests

Tech-Savvy
Artificial Intelligence
Ancient Sciences
Current Affairs