AKHITHA BABU

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I am a passionate Data Engineer, who opt to build a fruitful career in the field of Data Engineering with my discipline, passion, and hardworking skills. I am even ready to learn new skills according to the requirements along with continuous and exponential learning strategy as per the field demands. I love playing with data which would sometimes give better solutions and insights into viewing problems and resolving them that even enhance our observational skills.

EDUCATION

M.Sc. Computer Science (Big Data Analytics) Expected 2021
Central University of Rajasthan, India

Course Works: -

- Machine Learning & Deep Learning
- Combinatorial Optimization
- Time Series Analysis
- Data Mining
- Data Mining
- Bioinformatics
- Descriptive & Inferential Statistics
- Economics

B. Sc. Physics 2015 - '18
Complementary Subjects: Mathematics & Computer Science CGPA -**5/6**
St. Joseph's College (University of Calicut), Kerala, India

PROJECTS

- **Intracranial Hemorrhage (ICH) Detection** (In collaboration with *Bharat Choudhary*)

A hybrid Deep learning solution on medical images of brain X-Ray Scans which are in DICOM format to automate ICH Detection using Ensemble MultiLabel Classifier with Imbalanced Source. Productionize deep learning models with Django in web applications. [Python]

- **Simple model of GAN**

A Generative Adversarial model implemented on MNIST dataset. Define and train the standalone discriminator and generator models and train the composite generator and discriminator model. Evaluate the performance of the GAN and use the final standalone generator model to generate new images. [Python]

- **Retail Sector Forecasting** (In collaboration with *Panwar Abhash Anil* & *Sajal Sharma*)

Interesting insights were found out such as worst sales and maximum sales. Applied classical Time Series Analysis, Machine Learning and Deep Learning techniques to model the data.

- **Sentiment Analysis**

Machine learning with Natural Language Processing organizes unstructured text data automatically. Automated process of analyzing text data and sorting it into sentiments like positive, negative, or neutral.

RESEARCH PUBLICATION

Automated ICH Detection using Ensemble MultiLabel Classifier with Imbalanced Source
submitted to Pattern Recognition Letters (In collaboration with *Bharat Choudhary* & *Upasana Talukdar*)

SKILLS

Languages:	C/C++, python, R Language, TeX, html
Framework:	TensorFlow, PyTorch, NLTK, gensim, NetworkX
Databases:	SQL
Tools:	Git, Tableau, PyCharm, Power Bi

REFERENCE

Dr. Upasana Talukdar
Assistant Professor, Department of Data Science and Analytics, Central University of Rajasthan, India.