

Hymavathi Gummudala

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EDUCATION

Master of Science in Applied Data Science

Indiana University Purdue University GPA: 3.933/4.0

Coursework: Data Visualization, Data Analytics, Deep Learning, Informatics, NLP, Database Management

Anticipated: May 2024

Indianapolis, IN

Bachelor of Technology in Electronics and Communication Engineering

Indian Institute of Information Technology, Design and Manufacturing

Aug. 2015 – May 2019

Jabalpur, Madhya Pradesh

EXPERIENCE

Data Scientist Researcher

Indiana University Purdue University

August 2022 – Present

Indianapolis, Indiana

- Collected and preprocessed data from diverse sources, converting unstructured JSON to CSV.
- Executed a 70-30 data split, facilitating comprehensive analysis across 110,000 sentences.
- Achieved an 81% accuracy with the advanced Walsh Hadamard Transform Model.
- Conducted detailed analysis, identifying instances of prediction flips and critical words.

Data Analyst Intern

IU Robert H. McKinney School of Law

June 2023 – August 2023

Indianapolis, Indiana

- Processed a substantial volume of textual data by converting 8642 PDFs into plain text files.
- Conducted comprehensive data analysis and extracted specific information.

Data Analyst

Accenture

January 2021 – July 2022

Hyderabad, INDIA

- Analyzed the logistics cockpit data from client's SQL server and the shipment reports from the freight forwarders using MS-Excel.
- Visualizing the KPIs of freight data by creating dashboards using Power BI and further utilized them to find potentials to optimize the freight costs.
- Optimization of premium freight shipments by replacing them with Parcel Jetline (CEP) services offered by DHL.
- Potential savings were around 3 million EUR.

Associate Data Analyst

Accenture

January 2020 – December 2020

Hyderabad, INDIA

- Utilized data cleaning techniques to handle vague and unstructured incident descriptions.
- Extracted relevant information and transformed it into a structured format suitable for analysis.

PROJECTS

Cloud-Based Generalized CSV Analyzer | AWS Lambda, EC2, S3, Glue

August 2023 – December 2023

- Spearheaded development of AWS app for instant CSV analysis, for key statistical insights, achieving 75% time reduction.

Job Description and Resume Matching | NumPy, GPT, Word Embedding, LSTM

January 2023 – May 2023

- Created a Job Matching algorithm with Neural Networks, achieving 84% accuracy

The Prediction of Survival of Patients | XGBoost, scikit-learn, Matplotlib

August 2022 – December 2022

- Attained 97% accuracy through diverse classification algorithms, and employed SMOTE to balance the dataset.

TECHNICAL SKILLS

Programming: Python, SQL, R, HTML/CSS

Data Management: AWS, MySQL, MongoDB

Data Analysis: Numpy, Pandas, Dplyr, Scikit-learn, TensorFlow, PyTorch, Excel, NLTK, Keras, Gensim, SpaCy

Visualization and Tools: Matplotlib, Seaborn, ggplot2, Tableau, PowerBI, Git, Jupyter