

# Vishakha Gupta

Lawrence, Kansas

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## Profile Summary

Aspiring Data Enthusiast with a background as a Data Analyst, skilled in Python, SQL, and machine learning frameworks like TensorFlow and PyTorch. Experienced in developing AI-driven solutions and interactive dashboards, enhancing data-driven decision-making. Holds a Master's degree in Computer Science, aiming to leverage analytical and technical expertise to drive innovative machine learning projects.

## Relevant Coursework

### University of Kansas

Dec 2024

Master of Science, Computer Science (GPA: 3.4)

### CVR College of Eng.

Jul 2021

Bachelor of Technology, Electronics and Communication Engineering (GPA: 9.29)

## Experience

### KUSSW | Data Analyst

Apr 2023 - Present

- Conducted data analysis on university research projects, improving data reporting efficiency.
- Developed Power BI dashboards using Google BigQuery and PostgreSQL to visualize key performance metrics, leading to more informed decision-making
- Assisted in data cleaning and preprocessing for various research studies, ensuring data accuracy and reliability for subsequent analysis

### Beats by Dr. Dre | Extern

Jun 2024 - Sep 2024

- Created LLM-based survey questions for diverse demographics, enhancing data collection quality and inclusivity
- Utilized LLMs and prompt engineering for market research and trend analysis, leading to more accurate insights and strategic decision-making
- Built a ManyChat chatbot, boosting survey(900+ responses) response rates to 57%.
- Developed AI-driven presentations using Gamma and Google Slides, improving audience engagement and understanding of complex data
- Designed an interactive dashboard in Claude Sonnet for data visualization, utilizing Power BI to enhance data interpretation and decision-making

### DXC Technologies | Associate Professional Software Engineer

Apr 2021 - Dec 2022

- Managed backup and data recovery solutions using HP Data Protector and Commvault for enterprise clients.
- Led incident handling, monitoring, and reporting for AMS and EMEA regions.
- Ensured data integrity and security through proactive system checks and troubleshooting.
- Collaborated with cross-functional teams to optimize backup storage efficiency and reduce downtime.
- Automated routine data backup tasks, enhancing operational efficiency by 20%.

## Projects

### Counterfeit IC Detection Using Deep Learning | University of Kansas

Mar 2024

- Built a CNN-based computer vision model that achieved 93.5% accuracy in detecting counterfeit ICs. Trained the model on image datasets to differentiate genuine and fake integrated circuits.

### ChatGPT- Powered Voice Assistant | University of Kansas

Sep 2023

- Developed a voice assistant integrating OpenAI's ChatGPT on an ESP32 S3 microcontroller. Enabled AI-driven conversational capabilities for executing commands and answering queries.

### Weather Prediction using LSTM | University of Kansas

Sep 2023

- Designed an LSTM-based deep learning model for predicting weather patterns from time-series data with 97% accuracy. Improved forecast accuracy using historical data and Google Colab for scalable processing.

## Technical Skills

- **Programming Languages:** Python, SQL, R
- **Data Analysis & Visualization:** Power BI, Tableau, Excel
- **Machine Learning:** TensorFlow, PyTorch
- **Databases:** MySQL, PostgreSQL
- **Tools:** AWS, Google BigQuery, JIRA

## Certifications

- **Data Analytics Virtual Experience Program:** Quantum(Forage)
- **AWS Certified Cloud Practitioner**
- **Google Data Analytics:** Coursera
- **Google Business Intelligence :** Coursera
- **Power BI Virtual Experience Program:** PwC (Forage)
- **Microsoft Certified Azure Fundamentals**
- **Data Science Bootcamp:** Udemy
- **Data Science Job Simulation-** British Airways(Forage)