

KRATI CHOUDHARY

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EDUCATION

Indiana University Bloomington

MS Computer Science

Aug 2022 - May 2024

GPA: 3.73

- Courses: Applied Algorithms, Elements of AI, Computer Vision, Software Engineering, Computer Networks, Data Mining

Shri Vaishnav Vidhyapeeth Vishwavidhyalaya

B.Tech. Computer Science

Aug 2018 - May 2022

GPA: 8.3

- Completed bachelor's with a specialization in AI with IBM's industry-oriented coursework.
- Served as the Head of Reporting and led a team of 20 students to oversee publications related to club events and activities.

EXPERIENCE

Engineer 2 - Database Administrator, Hughes Network Systems

Jun 2024 - Present

- Developed and implemented scripts to automate database monitoring and management, significantly reducing manual intervention while conducting regular database performance tuning and optimization to enhance efficiency.
- Managed and maintained multiple database systems in numerous environments including Oracle RAC, MongoDB, and PostgreSQL, ensuring optimal performance and reliability by performing data backup and recovery operations to safeguard critical information.
- Monitored database health and resolved issues promptly to minimize downtime and participated in disaster recovery planning and testing to ensure business continuity.

NMS Intern, Hughes Network Systems

Jun 2023 - Aug 2023

- Initiated a terminal status monitoring system after getting a better understanding of NOC and the commissioning process, which will improve the efficiency of the commissioning process by 20% and reduce the risk of errors by 50%.
- Improve the understanding of how terminals interact with the Network Management System, which will lead to at least 10% increase in the number of successfully commissioned terminals.

PROJECTS

Manga Translator

Technology Used: Python, Tensorflow, NLTK, OpenCV, Tesseract

- Created an innovative computer vision project leveraging deep learning models and OCR techniques to facilitate the seamless 80% translation of manga images into English.
- Achieved a remarkable 30% enhancement in translation accuracy through extensive training on large and diverse datasets while integrating advanced NLP tools to optimize the translation process further.

Inventory Prediction

Technology Used: Python, Flask, Google Cloud Services

- Implemented a data mining model for inventory prediction, leveraging historical sales data and machine learning techniques to forecast demand and optimize inventory levels by at least 40%.
- Utilized Google Cloud Platform (GCP) services to analyze Walmart sales inventory data for a personal project, leveraging BigQuery for data storage and analysis, Dataflow for data processing, and Data Studio for visualization.

SKILLS AND CERTIFICATIONS

- **Programming Languages, Technologies and Frameworks:** Python, HTML, CSS, C++, MySQL, Linux, Flask, OracleDB, Javascript, Regression, Classification, SQLplus, PostgreSQL, MongoDB, Oracle RAC architecture, bitbucket, Google Cloud Platform, Shell Scripting, Git, Database migration, Oracle Cloud Infrastructure, DBMS, Computer Networks, Data Structures, Tensorflow, NLTK, OpenCV, Tesseract

ACTIVITIES

Organizing Committee Head, VoidHacks() 3.0

Aug 2021 - Oct 2021

- Led a team of 15 students and orchestrated a highly successful national-level Hackathon, held at Shri Vaishnav Vidhyapeeth Vishwavidhyalaya, adapting ingeniously to the challenges posed by the ongoing pandemic by organizing the event 100% in an online mode.