

KRITI SHARMA

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Education

University of Dayton

Master of Science in Computer Science, GPA:4.0

Aug. 2022 – May 2024

Dayton, Ohio

Uttarakhand Technical University

Bachelors of Technology in Computer Science

Aug. 2015 – June 2019

Roorkee, India

Relevant Coursework

- Data Structures
- Database Management
- Visual Computing and Mixed Reality
- Algorithm Design
- Data Science
- Artificial Intelligence
- Data Visualization

Experience

Owens Corning

May 2023 – August 2023

Data Science Intern

Toledo WHQ, Ohio

- * Utilized Azure IoT Hub to manage and process sensor data streams, reducing data latency from 24 hours to real time within Azure Data Explorer and Azure Synapse.
- * Achieved real-time data retrieval by developing Python scripts to call APIs, enabling live data workflows in ADF, and enhancing data-driven reporting in Power BI.
- * Implemented Azure IoT Hub connection with Azure Data Explorer to facilitate the management, and monitoring of IoT devices and gateways, resulting in a seamless data flow from edge devices to the cloud.
- * Created real-time dashboards using Azure Data Explorer (ADX) to monitor live streaming data, analyze data delays, and provide actionable insights for data-driven decision-making.

LTIMindtree

July 2019 – July 2022

Azure Data Developer

Pune, India

- * Constructed a Python web scraper for client data acquisition, implementing a comprehensive ETL solution with various components, yielding efficient data processing.
- * Led the migration of scheduled jobs to Azure Data Factory, resulting in an annual 30 percent cost savings and performance increase
- * Developed Spark jobs using PySpark and Scope to process and analyze large datasets, improving data processing efficiency.
- * Leveraged Kusto Explorer for log analytics and efficient query responses, while also establishing alerts using KQL.
- * Collaborated with clients to translate business needs into actionable Power BI reports, saving nearly 13 hours of weekly manual work.

Indian Institute of Technology, IIT Roorkee

July 2018 – Sep. 2018

Intern

Roorkee, India

- * Utilized a Machine Learning model created through real-time series analysis, trained it with historical fire data and climatic information from the Environment Information System.
- * Achieved a 93 percent prediction accuracy in forest fire occurrences through the implementation of Logistic Regression and Clustering techniques.

Technical Skills

Programming Languages/Libraries: Python, PySpark, Java, NumPy, Pandas L

Databases: MySQL, Azure Cosmos DB, Azure Table Storage, Azure SQL

Query Language:Kusto KQL, SQL, SCOPE, Spark SQL

Services: Azure Data Factory, Azure IoT, Azure Synapse Analytics, Azure Batch, Azure Data Lake Gen2, Azure Logic Apps, Azure Databricks, Azure Logic Apps

Developer Tools: VS Code, Eclipse, Google Cloud Platform, PyCharm, Microsoft Azure, Power BI, Tableau, Azure Data Studio, Azure DevOps, Azure Data Explorer

Certifications: Microsoft Certified - AZ-900 Azure Data Fundamentals, LinkedIn -Data Analysis using Power BI

Leadership / Extracurricular

Graduate Research Assistant

Spring 2023 – Present

University of Dayton

- * Responsible for grading, help sessions and proctoring for over 100+ students, providing constructive feedback.
- * Conducting research on generative AI tools to advance the field's understanding of natural language generation and exploring their practical applications in various domains.
- * Conferences: Attended Ohio Conference of Women in Computing, OCWIC in Huron, OH and also attending Society of Women Engineers Conference this year ,SWE23 in Los Angeles, CA