KRITI SHARMA

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Education

University of Dayton	**Aug. 2022 – May 2024**
Master of Science in Computer Science, GPA:4.0	*Dayton, Ohio*
Uttarakhand Technical University	**Aug. 2015 – June 2019**
Bachelors of Technology in Computer Science	*Roorkee, India*

Relevant Coursework

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

Experience

Owens Corning — **May 2023 – August 2023**
Data Science Intern — *Toledo, 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 and analyze data delays.

LTIMindtree — **July 2019 – July 2022**
Azure Data Developer — *Pune, India*

- ∗ Led the migration of scheduled jobs to Azure Data Factory, resulting in an annual 30 percent cost savings and performance increase
- ∗ Constructed a Python web scraper for client data acquisition Using API, implementing an ETL solution with various components, yielding efficient data processing.
- ∗ Developed jobs using PySpark and SCOPE to process and analyze large data, improving 40 percent of data processing efficiency.
- ∗ 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**
Machine Learning 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
Certificatiions: 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.
- ∗ **Research**: 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**: Ohio Conference of Women in Computing **OCWIC** and attending Society of Women Engineers Conference this year, **SWE23** in Los Angeles, CA.