# KHUSH JOSHI

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## Experience

**Synoptek LLC**                                                      **Jul 2022 – Dec 2023**
*Associate Software Engineer*                                         *Ahmedabad, Gujarat*
- Specialize in building and maintaining data pipelines that enable businesses to make informed decisions based on accurate and timely information.
- Passionate about designing scalable and efficient data architectures that can handle large volumes of data and support complex data analysis.
- Worked with a variety of tools and technologies such as Azure Synapse, Snowflake, Analysis Services, Azure Data Factory, Azure DevOps, SQL, Python, Power BI.
- Python developer, consistently delivering robust solutions and contributing to the success of the data engineering projects

**Synoptek LLC**                                                      **Jan 2022 – Jun 2022**
*Business Intelligence Intern*                                        *Ahmedabad, Gujarat*
- Worked on python with big data processing frameworks like Apache Spark. PySpark, the Python API for Apache Spark, to leverage the power of Spark for large-scale data processing and analytics.
- Gained experience of using snowflake a cloud-based data warehousing platform that has gained significant popularity for its unique architecture and features.
- Design and implemented data models within Power BI, ensuring efficient relationships between tables and the creation of calculated columns or measures for meaningful analytics. Created visually appealing and insightful reports and dashboards using Power BI Desktop.
- Created and maintained robust pipelines for the ETL(Extract, Transform, Load) processes within Microsoft SQL Server Integration Services.
- Created multidimensional and tabular model using the Microsoft SQL Serer Analysis Services.

**One Nine AI**                                                      **June 2021 – Sep 2021**
*Data Science Intern*                                                *New Jersey (Remote)*
- Collect, clean, and pre process data from various sources to ensure high-quality datasets for analysis.
- Conduct exploratory data analysis to uncover patterns, trends, and insights within the datasets.
- Assist in the development and implementation of machine learning models or statistical algorithms to solve business problems and refine and optimize models for better performance.
- Feature engineering efforts by identifying relevant variables and creating new features to enhance model accuracy.
- Developed Intelligent Model of python functions for MLP regressor and Classifier

## Industrial Projects

**Data Lake Implmentation** | *Azure,SQL,Data Lake,Dataverse,Azure Synapse,SSAS,Dynamics ERP, DevOps*
- Data export service from CE (Dynamics CRM) was about to deprecate in March 2023.
- Implemented end to end data lake solution for getting the data from the ERP system to the Azure SQL database.
- Created an Azure Synapse Link in the dataverse to extract the data from the various entities of the CE system and load into the serverless SQL pool in the synapse data warehouse.
- Applied various transformation steps to get the insightful data and to load into the Azure SQL database by creating the pipelines.
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- Prepared a meaningful data by creating virtual tables and views and loaded the data into the tabular cube / Azure Analysis Services.
- Using CI/CD tools such as Azure DevOps, to easily streamline the workflows, detect and resolve issues quickly, and ensure the reliability of the software.
- Developed insightful Power BI reports by transforming tabular data, facilitating in-depth analysis, and supporting informed decision-making for diverse clients and stakeholders.

**Power BI Report Development for forecasting Sales data** | *Power BI, SQL, Data Factory, DevOps*
- Utilized Power BI to generate forecast reports that analyze sales data from Dynamics CRM.
- Identified and visualized sales trends over specific time periods to aid in strategic decision-making.

- Employed advanced forecasting models within Power BI to predict future sales trends based on historical Dynamics CRM data.
- Created visually compelling Power BI reports to represent forecasted sales data, incorporating key performance metrics for a comprehensive overview.
- Integrated seamlessly with Dynamics CRM to extract, transform, and load (ETL) sales data into Power BI for real-time and accurate forecasting.
- Implemented scenario analysis within Power BI, allowing stakeholders to explore different sales scenarios and assess the potential impact on overall forecasts.

## Technical Skills

**Languages**: Python, SQL, DAX, C, Power Shell Script
**Developer Tools**: SSMS, Azure SQL Studio, Power BI, VS Code, Pycharm, Snowflake, Power Shell, Excel, Azure DevOps, Docker, Kubernetes, Data Factory, Synapse Analytics, SSAS, SSIS
**Technologies/Frameworks**: GitHub, Git, Jira

## Education

**St. Lawrence College**                                                                                   **Dec. 2023 – Current**
*Post Graduation Business Analytics*                                                                      *Kingston, Ontario*

**Pandit Deendayal Energy University**                                                        **Aug. 2018 – Sep. 2022**
*Bachelor of Technology, Information and Communication Technology*                              *Gujarat, India*

## Achievements

- Played an integral role as a key member of the team that successfully executed the go-live process for a critical deployment of the data lake. Contributed significantly to the seamless implementation of the data lake, ensuring its readiness and functionality to meet organizational objectives. This involved collaborative efforts in planning, testing, and executing the deployment strategy, leading to the successful launch of the data lake infrastructure. Our team's dedication and expertise played a pivotal role in achieving a smooth transition, enabling the organization to harness the full potential of the data lake for enhanced data management and analytics capabilities.
- Collaborated on five distinct projects with clients situated across various time zones around the globe. Effectively managed and navigated the challenges of coordinating and communicating with diverse stakeholders in different geographic locations. This multifaceted experience involved adapting to different work schedules, proactively addressing time zone differences, and ensuring seamless communication to foster successful project outcomes. Through adept coordination and flexibility, contributed to the successful execution of projects, showcasing the ability to work efficiently in a globally dispersed environment and deliver value to clients worldwide.
- Received an on-the-spot performance award in recognition of outstanding contributions to the project.The award underscores the commitment to excellence and the ability to deliver exceptional results, showcasing a strong work ethic and valuable contributions to the project's success.

## Availability

| Monday | 8:00 AM – 12:00 PM |
|---|---|
| Tuesday | 8:00 AM – 4:00 PM |
| Wednesday | 8:00 AM – 10:00 AM |
| Thursday | Full Day (Open) |
| Friday | 6:00 PM – 10:00 PM |
| Saturday | Full Day (Open for night shift) |
| Sunday | Full Day (Open) |