

Maneesh Agarwal

Sr. Software Engineer

SKILLS

- Python
- PHP
- MySQL
- JS
- CSS
- Azure Synapse Analytics
- Azure Data Factory
- Microsoft Fabric
- Python
- Mysql

EDUCATION

- Masters of Computer Applications
Sikkim Manipal University, Sikkim

SUMMARY

With 6+ years of software development experience, I specialize in Python, JavaScript, and PHP for both backend and frontend development. Proficient in MySQL, MongoDB, and MariaDB, I have expertise in AWS and Azure Services including Synapse Analytics, Microsoft Fabric, and ADLSGen2. Skilled in PowerBI for reporting, I excel in full-stack development, automation, and problem-solving across the software development lifecycle.

PROJECTS

DATA ANALYTICS AND VISUALIZATION:

- Utilize Python libraries such as Pandas, NumPy, and Matplotlib to analyze large datasets and generate insightful visualizations.
- Develop and maintain data pipelines for extracting, transforming, and loading data into analytical systems.

SQL DATA ENGINEERING:

- Design and optimize SQL databases for efficient data storage and retrieval, leveraging expertise in MySQL, MongoDB.
- Develop and maintain ETL processes to ensure the integrity and consistency of data across multiple platforms.
- Perform data modeling and schema design to support business requirements and analytical needs.
- Monitor database performance and troubleshoot issues related to query optimization, indexing, and data integrity.

AZURE DATA LAKE STORAGE (ADLS) AND SYNAPSE ANALYTICS:

- Configure and manage Azure Data Lake Storage Gen2 environments to store and analyze large volumes of structured and unstructured data.
- Utilize Azure Synapse Analytics for big data processing and analytics, including data warehousing and data integration capabilities.
- Implement security and access controls to ensure data privacy and compliance with regulatory requirements.
- Optimize data storage and retrieval processes for performance and cost efficiency.

AZURE DATA FACTORY AND MICROSOFT FABRIC:

- Design and implement data integration and orchestration workflows using Azure Data Factory to automate data movement and transformation tasks.
- Utilize Microsoft Fabric for creating and managing Lake houses and warehouse to ingest the data from various data source.
- Experienced in creating Power BI Report within the Microsoft Fabric using data source from One Lake.