Mr. Kushagra Pathak

Analyst/ Software Engineer

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📍 Pune, India

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○ www.kaggle.com/kushagra1211

👤 PROFILE

Purpose-driven Software Engineer/ Analyst with a strong foundation in programming and data manipulation. Skilled in utilizing Python classes and functions to contribute to codebases effectively. Proficient in identifying, assessing, and linking data from various sources, ensuring data quality and integrity.

🧠 SKILLS

- Python - Flask Framework (Microservices / APIs)
- RDBMS - MySQL, Azure SQL, BigQuery
- NoSQL - MongoDB [PyMongo]
- Streaming Services - Azure IoT Hub, Azure Event Hub, Azure Stream Analytics,Google Pub/Sub, Aws IoT Core
- Storage Services - S3, ADLSGen2, GCS, Blob Storage
- Cloud Native Storage - Snowflake
- Visualization Tool - PowerBI, Tableau, Google Looker Studio
- Python Libraries - NumPy, Pandas, Matplotlib, Seaborn, Boto3, PyMongo, Scikit-learn
- Big Data Tools - PySpark, Databricks

🎖 CERTIFICATES

- Azure Fundamentals -AZ900
- AWS Cloud Practitioner Essentials
- Hands on Essentials Data Warehouse - Badge 1
- Getting started with Azure IoT Hub
- Data Visualization with PowerBI
- Learning Path in Data Science

🏅 AWARDS

Rising Star - Q1
BU - Insights & Data
2023

Rising Star - Q1
BU - Insights & Data
2022

🎓 EDUCATION

Bachelor of Engineering (Information Technology
Acropolis Institute of Technology & Research
Indore, India

💼 PROFESSIONAL EXPERIENCE

Capgemini India
Analyst / Software Engineer
03/2022 – present | Pune, India

📂 PROJECTS

Millennial Garage - I&D Capgemini
03/2021 – 04/2021
1. Worked on "MG-Attendance through Face Recognition Project", created a gender detection model and implemented name detection and face recognition on live feed through Webcam using OpenCV.
2. Appointed as technical SPOC for subsequent batches and assisted colleagues for use-case implementation and held doubt-clearing sessions for later batches.
3. Conducted "Communication Scale Up" sessions for the improvement of fellow employees' communication skills.

Industrialized Data and AI Engineering Acceleration (IDEA) by Capgemini.
05/2022 – present
IDEA: -
1. Worked for IDEA tool development, an internal tool that accelerate cloud modernization journey with underlying constructs of "Metadata Driven Cloud Data Engineering & Orchestration.
2. Worked on creating Flask Micro Service APIs.
3. Constructed data pipelines on Azure Databricks for processing structured, semi-structured and unstructured data.
4. Developed Google Dataflow templates to store streaming data into GCS buckets, ingesting via Pub/Sub
5. Worked with different file formats (Parquet, Json, CSV, Plain Text, Avro etc.)
6. Worked on integrating AWS Services with Python using Boto3 module.

IDEA [Industrial Internet of Things]: -
1. Built data ingestion pipeline on Azure using native services such as IoT Hub, Stream Analytics, Event Hub.
3. Executed a fundamental IoT solution with Google Cloud IoT Core for HVAC systems. Conceptualized the architecture of the IoT solution, encompassing data collection, communication, and remote management aspects.
4. Designed, Integrated Azure Stream Analytics with Azure Event Hubs and IoT Hub to ingest and process data from diverse sources, including IoT devices and telemetry streams.

📚 COURSES

Leaning Path in Data Science
Board Infinity
04/2021 – 10/2021 | Mumbai, India
1. Introduction to Data Science
2. Data Collection and Cleaning
3. Exploratory Data Analysis (EDA)
4. Statistical Analysis
5. Machine Learning
6. Data Visualization
7. Feature Engineering