**Introduce yourself-**

**Version 1.0**

Good morning, Sir/Ma’am.

My name is Amit Kumar Verma. I have completed B. Tech. in CSE. I have 7 years of experience in IT Industry, with the last **3 years dedicated to DevOps and Azure Cloud** ~~(with the last 3 years focused on DevOps and Azure Cloud)~~. Currently, I am working with Brindavan Bottlers Pvt. Ltd. form the past 1.3 years.​

I have hands-on experience on **Azure Cloud, Terraform, Azure DevOps, Git & PowerShell.**

In my current organization, I worked on a project **Borewell Water Consumption Monitoring System**. Automating the water usage tracking for 35 borewells across different plants. Each borewell could pump up to 65KL of water per hour. Before this project, the water usage was tracked manually, which caused mistakes and delays.

To fix this issue, we installed flow meters **~~(Ultrasonic Flow Meters or Electromagnetic Flow Meters)~~** on each borewell to measure how much water was being used in real time. These meters were connected to IoT devices (IoT edge devices) that sent the data to the cloud every minute. We used **Azure IoT Hub** to collect all this data.

After that, the data was processed using **Azure Stream Analytics** and saved in **Azure SQL** and **Data Lake** so we could analyse it later. I also created a live dashboard using **Power BI**, where we could see the daily water usage for each borewell clearly.

We added automatic alerts using **Azure Functions**, so if a borewell used more water than expected, the team would get notified. We also used **Azure Machine Learning** to try and predict how much water would be needed in the future, and **Power Automate** to send daily reports automatically.

As a DevOps engineer, I was responsible for automating the entire infrastructure deployment using **Terraform**, ensuring consistency and speed in provisioning Azure resources across environments.

In parallel, we developed an **Electricity Bill Monitoring Dashboard**, integrating energy meter data to analyse power consumption patterns. This helped plant teams identify **peak usage periods** and optimize load distribution, leading to **cost savings**.

I also implemented **Motor Running Hours Monitoring** using IoT sensors to capture operating time of motors. This data was used for **predictive maintenance planning** and helped reduce **unnecessary runtime and energy usage**.

Together, these initiatives improved resource efficiency, reduced wastage, and provided actionable insights to plant managers.

This project helped reduce water waste, improved monitoring, and made everything more efficient.

It also gave me good hands-on experience with IoT devices, cloud computing, and real-time dashboards using Microsoft Azure.

~~If I talk about my previous company, I used Azure cloud services to deploy resources as needed~~**~~, I used to terraform as IaC tool to deploy resources easily and faster.~~**

**Introduce yourself-**

**Version 1.1**

Good morning, Sir/Ma’am,  
My name is **Amit Kumar Verma**, and I have total **7 years of experience in IT industry**, with the last **3 years dedicated to DevOps and Microsoft Azure Cloud**. Currently, I’m working at **Brindavan Bottlers Pvt. Ltd.**, where I’ve been for the past **1.3 years**.

My core skill set includes **Microsoft Azure**, **terraform (as an Infrastructure as Code tool)**, **Azure DevOps**, **CI/CD pipeline automation**, **PowerShell scripting**, and managing cloud-native solutions for enterprise applications.

One of the most impactful projects I led was the **Borewell Water Consumption Monitoring System**, where we automated the tracking of water usage across **35 borewells** in our manufacturing plant. Each borewell could pump up to **65 kiloliters/hour**, and earlier tracking was done manually, leading to errors and inefficiencies.

We deployed **IoT edge devices** and **flow meters**, which sent real-time telemetry to **Azure IoT Hub**. Using **Azure Stream Analytics**, we processed the data and stored it in **Azure SQL** and **Data Lake** for reporting and analysis. I automated alerting with **Azure Functions**, and used **Power BI** to build a real-time dashboard for visibility. We also integrated **Azure Machine Learning** to forecast water demand and **Power Automate** to handle scheduled notifications.

As a DevOps engineer, I was responsible for automating the entire infrastructure deployment using **Terraform**, ensuring consistency and speed in provisioning Azure resources across environments.

In parallel, I developed an **Electricity Bill Monitoring Dashboard**, integrating energy meter data to analyse power consumption patterns. This helped plant teams identify **peak usage periods** and optimize load distribution, leading to **cost savings**.

I also implemented **Motor Running Hours Monitoring** using IoT sensors to capture operating time of motors. This data was used for **predictive maintenance planning** and helped reduce **unnecessary runtime and energy usage**.

These projects not only enhanced operational efficiency but also strengthened my expertise in **cloud automation, infrastructure provisioning, IoT integration, and monitoring**

"Good morning, Sir/Ma’am. My name is Amit Kumar Verma. I bring 7 years of IT experience, with the last 2 years specializing in DevOps and Azure Cloud. Currently, I am with Brindavan Bottlers Pvt. Ltd., where I've been contributing for the past 1.3 years.​

In my role, I've gained practical experience with:​

* **Microsoft Azure Cloud:** Utilizing services like Azure Functions, IoT Hub, and Azure SQL for cloud-based solutions.​
* **Terraform:** Implementing Infrastructure as Code (IaC) for consistent and automated provisioning.​
* **Azure DevOps:** Managing CI/CD pipelines, version control with GitHub, and automating workflows.​
* **PowerShell:** Automating administrative tasks and configurations.​
* **Azure Security & Monitoring:** Implementing Microsoft Defender for Cloud, Azure Key Vault, and utilizing Azure Monitor and Sentinel for comprehensive monitoring and threat detection.​
* **Version Control & CI/CD:** Managing source code and automating workflows using Azure Repos and GitHub, integrating GitHub Advanced Security for code scanning and dependency analysis.​

A notable project I led was the **Borewell Water Consumption Monitoring System**, where we automated water usage tracking for 35 borewells across different plant locations. Each borewell could pump up to 65 kiloliters of water per hour. Previously, water usage was tracked manually, leading to inaccuracies and delays.​

To address this, we installed flow meters on each borewell to measure real-time water usage. These meters were connected to IoT edge devices that transmitted data to the cloud every minute via Azure IoT Hub. The data was processed using Azure Stream Analytics and stored in Azure SQL and Data Lake for analysis. I developed a live dashboard using Power BI to visualize daily water usage for each borewell.​

We implemented automatic alerts using Azure Functions to notify the team if a borewell used more water than expected. Additionally, we employed Azure Machine Learning to predict future water demand and used Power Automate to send daily reports automatically. This project significantly reduced water waste, improved monitoring, and enhanced operational efficiency.​

In my previous role, I utilized Azure cloud services to deploy resources as needed and employed Terraform as an Infrastructure as Code (IaC) tool to deploy resources efficiently and consistently.​

I'm eager to leverage my skills in cloud security, monitoring, version control, and DevOps practices to contribute effectively to your team.