

Tushar Mahur

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SKILLS

Programming Languages: HTML, CSS, JavaScript, C, Python

Cloud Platforms: Azure (Azure SQL Database, Azure Virtual Machine, Azure Blob Storage, Azure Key Vault), AWS (S3, EC2, VPC, Cloud Watch, IAM, Route53, Load Balancing, Lambda, RDS), Docker, Kubernetes

Data Analysis and Visualization: SQL, Power BI

Operating Systems and Tools: Linux, GitHub, VS Code

Cloud Computing Skills: Cloud architecture, resource deployment and management, cloud solutions implementation

Training and Development: Python fundamentals, OOP concepts, libraries (MATLAB, NumPy, pandas)

WORK EXPERIENCE

Yhills Foundations

Jul 2024 - Sep 2024

Noida, India (Remote)

Intern

- Gained hands-on experience in **cloud computing**, primarily using **Microsoft Azure**.
- Assisted in **deploying and managing cloud resources**, enhancing understanding of **cloud architecture** and services.
- Collaborated with team members to **implement cloud solutions**, improving project efficiency and performance.
- Participated in training sessions, deepening knowledge of **Azure services** and best practices.

Barclays

Feb 2024 - Mar 2024

Python Training

- Completed a one-week **Python training program** offered by Barclays in collaboration with Echelon Institute of Technology.
- Gained hands-on proficiency in **Python fundamentals** including syntax, **data structures and algorithms**, **object-oriented programming (OOP)** concepts, and libraries such as **MATLAB**, **NumPy**, and **pandas**.

PROJECTS

Azure Virtual Machine Setup

Technologies: Azure

- Configured an **Ubuntu-based Azure virtual machine** with **RDP access**, enabling **remote desktop functionality** for application development and testing.

Azure Blob Storage and Static Website Hosting

Technologies: Azure

- Uploaded an image to **Azure Blob Storage**, configured it for **public access**, and generated a **shareable link**.
- Hosted a simple 'Hello World' webpage using **Azure Static Website Hosting**.
- Established a **lifecycle management policy** to automatically transition blob tiers from **hot to cool** after 100 days of inactivity.

Azure Key Vault Implementation

Technologies: Azure

- Created and managed **cryptographic keys** in **Azure Key Vault** and securely stored a **password** as a **secret**, enhancing **application security** and **access management**.

Azure SQL Database and Power BI Report

Technologies: Azure, Power BI

- Developed an **Azure SQL Database** using the **AdventureWorksLT** sample database and created a **Power BI report** featuring multiple graphs to visualize **data insights** and **trends**.

CERTIFICATIONS

- AWS Certified [Cloud Practitioner]**
- Oracle Cloud Infrastructure Certified DevOps Professional**
- Cloud Computing Fundamentals by IBM**

EDUCATION

Bachelor of Technology in Computer Science (BTech in CS)

Jul 2021 - Apr 2025

Echelon Institute of Technology

AWS-restart (Cloud Practitioner)

Dec 2024 - Jun 2025

Tech Mahindra SmART Academy