

Vidhi Jaju

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Skill

C, C++, Python, HTML, CSS, JavaScript, AWS, SQL, Cloud Computing, Team work, Innovation, Leadership

Experience

Aatmnirbhar NGO

Jaipur

Member

June 2023 – July 2023

- Volunteered to teach underprivileged children in slum areas for 2 months, providing educational support.
- Assisted in securing private school admissions under the RTE Act, enhancing access to quality education.
- Strengthened communication and organizational skills through coordination with students, parents, and school authorities.

Education

UPES, Dehradun

B.Tech CSE- Cloud Computing and Virtualization Technology GPA: 7.65/10

2022 - 2026

Maheshwari Girls Public School, Jaipur

CBSE- 10 +2th Level – Percentage: 94.2%

2021

Maheshwari Girls Public School, Jaipur

CBSE- 10th Level – Percentage: 97%

2019

Projects

Tech Query Recommendation System

- Developing a Streamlit dashboard with authentication and query prediction based on user issues.
- Implementing machine learning/NLP techniques to anticipate the next user query.
- Enhancing user experience through intelligent query suggestions and secure access control.

Automated Parking System

- Developed a vehicle license plate recognition application for automated entry/exit tracking.
- Implemented a database to log vehicle details, enabling owner identification and record management.
- Integrated automated parking token assignment via Mail, WhatsApp, or SMS for faculty.

Resource Scaling in Cloud Environment Using Monte Carlo Algorithm

- Developing a cloud resource scaling model using the Monte Carlo algorithm for optimal resource allocation.
- Refining the model to enhance accuracy, minimize over-provisioning, and adapt to workload fluctuations.
- Enabling real-time decision-making for efficient cloud infrastructure management.

Weather Website

- Developed a dynamic weather website using HTML, CSS, and JavaScript for real-time weather updates.
- Integrated a weather API to fetch and display temperature, humidity, wind speed, and conditions with images.
- Implemented error handling with custom 404 messages for invalid city names or spelling errors.

Implementation of Three Tier Architecture using VPC

- Implemented Three-Tier Architecture using VPC in AWS for secure and scalable application deployment.
- Integrated AWS Lambda and S3 for serverless processing and efficient storage management.
- Utilized Java Image-Scaling library with Chris Campbell's incremental scaling algorithm for enhanced image processing.

Certifications

- AWS cloud practitioner essentials
- AWS Billing and Cost Management
- AWS Academy Introduction to Cloud Semester 1
- AWS Academy Introduction to Cloud Semester 2
- AWS Academy Cloud Architecting
- AWS Academy Cloud Security Foundations

ROLES AND RESPONSIBILITIES

- Marketing Manager, UPES Open Community | June 2024 – Present
- Member, NSS UPES | Nov 2022 – Present
- Azure Dev Lead, Dehradun | Oct 2023 – June 2024
- PR Sub-Lead, UPES Open Community | June 2023 – June 2024
- Core Member, Microsoft Technical Community | Oct 2022 - June 2023
- Changemaker, Srijan Social Internship | Sept 2022 – June 2024