

Vaibhav Yadav

Gurgaon, Haryana | v.yadav942003@gmail.com | (+91)8882443260

<https://www.linkedin.com/in/vaibhav-yadav-b04b12253> | <https://github.com/Vaibhav7689>

Education

- **Bachelor of Technology in Computer Science** **CGPA – 7.81**
(Specialization: Cloud Computing and Virtualization Technology)
University of Petroleum and Energy Studies (UPES), Dehradun Graduating - 2026

Skills

- **Tools:** AWS (EC2, S3, CloudFormation, IAM, CloudWatch), Docker, GitHub, GitHub Action
- **Language:** Python
- **Web Development:** HTML, CSS, JavaScript
- **Databases:** MongoDB, MySQL

Projects

- UNITY Platform** Aug 2024 – Dec 2024
 - Designed and developed a centralized platform for all inter-college clubs using HTML, CSS, and JavaScript, improving accessibility and student engagement.
 - Deployed on AWS EC2 with Auto Scaling, Load Balancer, and EBS, ensuring high availability, fault tolerance, and scalability.
 - Optimized performance through AWS services, enabling efficient traffic management and minimizing downtime.
- DeployVerse** - <https://deployverse.in/> Jan 2025 – Apr 2025
 - Led the UI development for DeployVerse, a platform that simplified AWS deployments by enabling automation infrastructure provisioning for non-technical users.
 - Connected AWS services like S3, EC2, IAM, and VPC into the frontend workflow, enabling automated infrastructure provisioning through an intuitive and accessible UI.

Internship

- Project Intern - IBM** June 2025 - July 2025
 - Developed WiseCloud, a Python-based energy-efficient VM scheduler simulator to optimize energy consumption in virtualized cloud data centers.
 - Evaluated and applied energy-aware VM scheduling algorithms including Best-Fit Decreasing, Minimum Utilization, and Random.
 - Built a modular architecture separating logic for scheduling, energy modeling, simulation, and visualization.

Certifications

- **AWS Cloud Practitioner Essentials**
Developed understanding of AWS pricing models, billing practices, and cost optimization strategies.
- **AWS Academy Cloud Security Foundations**
Acquired skills in cloud security best practices for securing AWS infrastructures.
- **AWS Academy Microservices and CI/CD Pipeline Builder**
Learned best practices for integrating **DevOps workflows** into cloud-native applications using AWS services.

Relevant Courses

Cloud Computing Architecture, Cloud Deployment Models, Cloud Security and Management, Database Management Systems, Computer System Architecture, Operating Systems