ALVEERA AHMAD

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ABOUT ME

Third-year B.Tech Computer Science student specializing in Cloud Computing and Virtualization Technology, with a keen interest in cloud infrastructure and full-stack development. Currently expanding my expertise in full-stack development, particularly focusing on the integration of front-end and back-end technologies. Passionate about Cloud, DevOps practices, and containerization (Docker, Kubernetes). I am working on several cloud and full-stack projects.

EDUCATION

UPES   2022 – 2026
B.Tech - Computer Science and Engineering   *Dehradun, Uttrakhand, India*

EXPERIENCE

Vitessence (Subsidiary of Agilité Global Solutions)   November 2024 – May 2025
Quality Assurance Testing Intern   *Remote, USA*
- Executing QA testing strategies, including writing test cases, performing manual and automated tests, and reporting bugs to enhance software performance and reliability.

PROJECTS

Dockerized & Kubernetes-Based Projects

[GitHub] | Docker, Kubernetes, Jenkins, AWS, Streamlit, PostgreSQL   (Jan 2025 – Mar 2025)

- ∗ Developed and documented 10+ containerized projects showcasing microservices deployment, CI/CD, networking, cloud integration, and orchestration using Docker and Kubernetes.
- ∗ **Deployed ML and full-stack apps using Docker, PostgreSQL, and Streamlit**, containerized MySQL, and implemented volume persistence and bridge networking.
- ∗ **Managed microservices with Kubernetes (Minikube)**, deployed containerized apps on AWS EC2, and orchestrated services using Docker Swarm.
- ∗ Demonstrated DevOps practices by integrating Jenkins CI/CD pipelines and streamlining project workflows.

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, TypeScript, SQL
Technologies/Frameworks: AWS, Azure, Docker, Kubernetes, Jenkins, React, Node.js, Playwright, Cypress, Git, MongoDB, PostgreSQL, MySQL, HTML5, CSS
DevOps Tools: Docker, Kubernetes, Jenkins, CI/CD Pipelines, Microservices
Cloud Platforms: AWS, Azure
Others: Streamlit, PostgreSQL, MySQL, GitHub

CERTIFICATIONS / ACHIEVEMENTS

- **GitHub Foundations:** View Credential

- **Cypress with TypeScript:** View Credential

- **Introduction to Playwright:** View Credential

- **AWS Academy Cloud Architecting:** View Credential

- **AWS Cloud Practitioner Essentials:** View Credential

- **Ranked 317 out of 30,000 participants in Naukri Campus Young Turks Contest:** View Details

- Cleared the first round of **GeeksforGeeks x Vultr Hackathon** by contributing to a scalable inventory management platform on Vultr Cloud Compute and advancing to the project-building phase.