

# Alveera Ahmad

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Cloud, DevOps, and Software Engineer

## Education

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**University of Petroleum and Energy Studies (UPES)**, Dehradun, India 2022 – 2026  
*B.Tech. in Computer Science and Engineering (Specialization in Cloud Computing and Virtualization Technology)*  
**CGPA: 7.40 / 10**

## Experience

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- Vitessence (Subsidiary of Agilité Global Solutions)** – Remote, USA Nov 2024 – May 2025  
*Quality Assurance Testing Intern*
- Designed and executed test cases for multiple web applications to ensure software reliability and performance.
  - Conducted manual and automated testing using Playwright and Cypress, reporting detailed bug reports to developers.
  - Collaborated with product and engineering teams to streamline the QA pipeline, improving testing efficiency by 20%.
- IBM (EstateKart)** – Remote June 2025 – July 2025  
*Backend Developer Intern*
- Developed AWS Lambda-based backend services for a real estate management platform.
  - Built REST APIs for analytics, dashboard management, and property search using Node.js and Express.
  - Integrated MongoDB via Mongoose, improving data retrieval speed through optimized query handling.

## Projects

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- GenZ Marketplace – Full-Stack E-commerce Web App** July 2025 – Aug 2025  
[GitHub](#) — *Node.js, Express, MongoDB, JWT, REST API, JavaScript*
- Designed and developed a full-stack marketplace with authentication, wishlist, cart, and product management.
  - Built secure JWT-based session management and modular Express.js backend using the MVC pattern.
  - Implemented user access control and API optimization for efficient client-server interaction.
- Dockerized & Kubernetes-Based Projects** Jan 2025 – Mar 2025  
[GitHub](#) — *Docker, Kubernetes, Jenkins, Streamlit, PostgreSQL, AWS EC2*
- Built and deployed 10+ containerized apps demonstrating DevOps, microservices, CI/CD, and orchestration.
  - Hosted full-stack and ML apps on AWS EC2, used Jenkins for CI/CD pipelines.

## Technical Skills

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- Languages:** Python, C++, JavaScript, TypeScript, SQL  
**Cloud:** AWS (EC2, Lambda, S3, IAM, CloudWatch)  
**DevOps:** Docker, Kubernetes, Jenkins, Git, CI/CD, Microservices  
**Web/Frameworks:** Node.js, Express, React, MongoDB, HTML5, CSS3  
**Testing Tools:** Playwright, Cypress  
**Others:** Streamlit, GitHub, REST API Development

## Certifications & Achievements

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- **AWS Academy Cloud Architecting (2025):** [View Credential](#)
- **AWS Cloud Practitioner Essentials (2025):** [View Credential](#)
- **GitHub Foundations (2024):** [View Credential](#)