

Alveera Ahmad

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Cloud, DevOps, and Software Engineer

Education

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

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

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

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

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