Alveera Ahmad

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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 & Cloud Developer Intern
- Developed serverless backend APIs using AWS Lambda and API Gateway for a real estate platform.
- Built REST APIs using Node.js and integrated MongoDB with Mongoose.
- Used AWS cloud services to support a scalable, event-driven architecture. .

Projects

Cloud-Native Image Management Platform   *Dec 2025 – Jan 2026*
GitHub — *AWS S3, DynamoDB, Lambda, Docker, React, Node.js*
- Designed and developed a cloud-native full-stack image management system using React and Node.js.
- Implemented scalable object storage with AWS S3 and metadata persistence using DynamoDB.
- Built event-driven, serverless image processing workflows using AWS Lambda (emulated via LocalStack).
- Containerized microservices and cloud dependencies using Docker and Docker Compose.

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