ALVEERA AHMAD

📞 +91 7061277569 ✉ alveerraaa@gmail.com in LinkedIn ⓞ GitHub

ABOUT ME

Third-year B.Tech Computer Science student specializing in Cloud Computing and Virtualization, exploring AWS and Azure to build scalable solutions. Developed a Java-based Inventory Optimization Platform leveraging advanced algorithms. Currently expanding my expertise in full-stack development to strengthen both backend and frontend capabilities.

EDUCATION

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

EXPERIENCE

Vitessence (Subsidiary of Agilité Global Solutions)   November 2024 − Present
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

Inventory Optimisation Platform   [GitHub] | Java, HTML, CSS, PostgreSQL
- ∗ Developed an Inventory Optimization Platform (IOP) as part of a team, leveraging advanced data structures (**hash tables, trees, and graph algorithms**) for efficient real-time inventory management, stock level forecasting, and order processing.
- ∗ **Integrated Dijkstra's algorithm for optimized route calculations** between warehouses, significantly reducing product retrieval and delivery times.
- ∗ Implemented a **secure backend using Java and PostgreSQL**, ensuring data protection protocols to maintain high availability, reliability, and usability of inventory data.
- ∗ Deployed the platform on cloud infrastructure with automated scaling, load balancing, and data storage, providing a scalable solution adaptable to enterprise needs.

TECHNICAL SKILLS

Languages: C, Python, Java, JavaScript, TypeScript, SQL
Technologies/Frameworks: AWS, Azure, React, Node.js, Playwright, Cypress, Git, MongoDB, PostgreSQL, MySQL, HTML5, CSS

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.