

## HASSAM AHMAD

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*Aspiring DevOps Engineer with a solid foundation in software engineering principles and hands-on experience gained through academic projects and internships. Currently interning at the Virtual University Software House, gaining hands-on exposure to software development, automation, and deployment practices. Looking to contribute to building reliable and scalable systems while continuing to grow my skills in DevOps.*

## EDUCATION

### Virtual University of Pakistan

Bachelor of Science in Computer Science (BSCS)

(GPA: 3.12/4.0)

Year | (Fall 2020)

## RELEVANT COURSES

- **Introduction to Programming**  
Covered fundamental concepts of programming logic and syntax
- **Object Oriented Programming**  
Explored principles of object-oriented design and development
- **Data Structures**  
Studied essential data structures and their applications

## SKILLS

### DevOps Tools and Technologies

- Docker, Kubernetes.
- Git for version control.
- Linux system administration (basic).
- BashScripting

### Cloud Platforms

- Amazon Web Services (AWS): EC2, S3, IAM, EKS, Auto-Scaling, Load balancing.

### Programming & Scripting

- Proficiency in JavaScript, Node.js, React.js, Express.js, MongoDB.

## EXPERIENCE

### Intern - Final Year Project / Virtual University Software House Oct/2024

- Developed a role-based job portal using MERN technologies (MongoDB, Express.js, React.js, Node.js).
- Implemented three user roles: (User, Employer, Admin)
- Used JWT authentication and protected routes for secure and role-specific access.
- Integrated Redux Toolkit & RTK Query for efficient state and API management.

## **Cloud Infrastructure.**

- Created Docker files for both frontend and backend, enabling smooth containerization of the project.
- Built and pushed Docker images of the application to **Docker Hub**, ensuring easy deployment and version control.
- Deployed the project locally and on remote systems using Docker Compose, efficiently running multi-container applications.
- Implemented **CI/CD pipelines** using **GitHub Actions** for automated testing and building of the application, streamlining the development workflow and improving deployment consistency.