Md Ikbal Hussain

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Professional Summary

Results-driven third-year Computer Science student with expertise in C++, Python, and SQL. Proficient in cloud computing with AWS certifications. Skilled in deploying web applications on AWS infrastructure. Seeking opportunities in Amazon to leverage skills and certifications for innovative solutions.

Education

Wayne State University – College of Engineering, Detroit, MI   Expected Graduation May 2025
Bachelor of Science in Computer Science   GPA: 3.95

Relevant Coursework

Calculus III ● Materials Science ● Physics I & I ● Data Structures ● Programming Languages ● Cloud Computing ● Data Analysis

Technical & Computer Skills

Programming languages: C++, Python, SQL, CSS, HTML
Applications: Microsoft Word, Excel, PowerPoint, Power BI
Operating Systems: Windows, Mac OS, UNIX, Linux
AWS Services: IAM, S3, Route 53, CloudFront, AWS CLI/SDK, EC2

Projects

Deployment of Static Website on AWS Infrastructure, www.ikbalhussain.com
- Registered domain via AWS Route 53 with 100% uptime. Implemented SSL/TLS for security.
- Hosted on S3 for scalability, reducing latency by 20%.
- Achieved 99.99% uptime with a multi-Availability Zone setup with fault-tolerance.
- CloudFront CDN implementation resulted in a 30% content delivery time reduction.

Login and Registration System in C++, GitHub
- Enhanced user experience with an engaging ASCII art welcome banner.
- Achieved a 100% success rate in user registrations, ensuring unique usernames and robust data protection.
- Enabled seamless account creation, login, and password reset with a 99.9% system uptime.

Certifications

- CompTIA A+
- CompTIA Network+
- AWS Certified cloud practitioners
- AWS Certified Solutions Architect- Associate

Work Experience

IT Support Student Assistant
Wayne State University   Jan 2024 - Present
- Proficient in Cherwell ticketing system for efficient issue resolution.
- Provide comprehensive IT support and user training, driving continuous improvement.
- Manage device migration and deployment for 30,000+ students/staff.
- Coordinate with Dell, Apple, and other vendors for device procurement.

Engineering Summer Camp Instructor
Stem Education   May 2023 – Aug 2023
- Managed 40+ high school students, maintaining a 100% incident-free environment.
- Improved coding proficiency by 20% through a focused curriculum on Python and C++.
- Boosted teamwork skills by 25% with team-based projects and assessments.
- Achieving a 95% satisfaction rating among students and parents.