

Akarsh Shrivastava

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EDUCATION

B. tech Computer Science & Engineering | Lovely Professional University
XII (State Board) | Govt. Excellence Higher Secondary School
X (State Board) | Govt. Excellence Higher Secondary School

CGPA: 7.31 (July '19 –July '23)
Marks: 83% (July '18 –May '19)
Marks: 83.5% (July '16 –May '17)

EXPERIENCE

Student Organization Wissen – Full Stack Developer

- Designed a website interface where the user can easily understand and navigate efficiently throughout the application.
- Planned and developed a reliable, maintainable, and scalable backend application.
- Hosted the application on the production server.

Student Organization Oasis – Developer

- Crafted a user-friendly, mobile compatible interface for better customer retention.
- Accept and learn from guidance provided by your mentor
- Conduct code review to ensure the work delivered by the team is of high-quality standards

PROJECTS

WebArch

GitHub: github.com/akarsh-23/WebArch

AWS Solution Architect

- Implemented a Secured, reliable, scalable, highly available, and cost-efficient solution for a web application using Amazon Web Services, with the additional ability to communicate between two VPCs.
- Created VPCs from scratch and connected to the network by using Internet Gateways, Route Tables, and NATs
- Formed multiple public and private subnets for proper segregation of web servers and database servers.
- Launched Bastion servers in public subnets to connect with the servers present in private subnets.
- *Tech Stack:* Java, MySQL, Tomcat, VPC, EC2, RDS, CloudWatch, Route53, SNS, IAM, EBS, S3.

MyClass Automation

GitHub: github.com/akarsh-23/MyClassAutomation

Developer

- Created a Java application to automate the MyClass Learning platform using Selenium with the capabilities of one-click class joining, and also capable of healing itself if an error occurs. It helped users in reducing 90% of repetitive tasks. 30+ users are using this application.
- *Tech Stack:* Java, Selenium, Maven, Log4J

Alpha Portfolio

GitHub: github.com/akarsh-23/Alpha

Developer

- Developed a well-designed static web application, users can easily understand and navigate the application efficiently. It helps me showcase my work and skills to recruiters and attract them. Hosted on AWS S3 to reduce the cost of hosting by 75%.
- *Tech Stack:* Angular, Html, CSS, Bootstrap, AWS S3

KEY SKILLS

- Full Stack Development • Web Application Development • Object-Oriented Programming • Test Driven Development
- Unit Testing • Agile Methodology • Cloud Computing • Requirement Gathering • AWS Setup & Architecture • Troubleshooting • Load Balancing • Cloud Deployment • Requirement Analysis

TECHNICAL SKILLS

- **Amazon Web Services:** EC2, IAM, S3, EBS, EFS, RDS, Route53, VPC, SNS, SQS, LightSail, Elastic Beanstalk, Storage Gateway, CloudWatch, Lambda, Code Commit, Code Build, Code Deploy, Code Pipeline
- **Programming Languages:** Java, C, C++
- **J2EE Technologies:** JDBC, SERVLET, JSP
- **UI Technologies:** HTML, CSS, JavaScript, Bootstrap, Angular
- **Database:** Oracle, MySQL, SQL, PL/SQL

- **Tools:** GIT, GitHub, Maven, Log4J
- **Testing:** JUnit

COURSES/CERTIFICATIONS

- Full Stack Java Development by NIT
- AWS Solution Architecture by NIT
- Java Programming Masterclass by Udemy
- Problem-solving (Basic) by HackerRank
- Java (Basic) by HackerRank
- Data Structures and Algorithms by GeeksForGeeks
- Competitive Programming by CipherSchools

COCURRICULAR ACTIVITIES

- Awarded first prize in district level Digital India Quiz competition.
- Awarded Third prize in state level Science, Math, and Environment Quiz competition.