Aditya Dattatray Bhogte

+1 682-365-7790 | adityadattatray.bhogte@mavs.uta.edu | Arlington, TX | LinkedIn

Summary

Execute analytical skills to help solve various problems and make improvement, trying to make a true impact across various domains. Passionate and Motivated Individual ready to take challenges. Innovative, Curious, Interested and has ability to learn new things.

SKILLS

Languages & Web Technologies : Python, Java, SQL, C, C++, HTML, CSS, JavaScript, PHP, Bootstrap.

Frameworks   : Flask, Laravel, Spring.

Databases   : MySQL, Oracle, MongoDB.

Tools   : IntelliJ IDEA, Eclipse, Visual Studio Code, PyCharm, WordPress, GitHub Desktop, SQL Management Studio, MSSQL, MYSQL Putty, Net Beans, Tomcat Server.

Operating Systems   : Linux, Ubuntu, Windows

Cloud Technologies   : Amazon AWS, Microsoft Azure, IBM Cloud

EXPERIENCE

Software Trainee Engineer [Intern], Quality Kiosk- Mumbai, India   Jan 2018-July 2018

- Designed and Worked on development of Modules like creating layouts and designing for the webpages.
- Developed a GUI with glossy effect and animation that helped to enhance the website.
- Planned with team lead and other members for the integration of modules in the project and created efficient final design.
- Co-ordinated with the Team and Management for requirements of the project and better development of the website.
- Analyzed and helped in the final phase of the project and also solve the challenges like bug fixing by 30% that occurred in the deployment phase.

EDUCATION

The University of Texas at Arlington, TX, USA, (GPA- 3.64/4.0)   Aug 2019-Present
Master of Science in Computer Science
Coursework: Design and Analysis of Algorithm, Advanced Topics in Data Bases: Cloud Computing, Advanced Topics in Software Engineering: Automated Testing, Web Data Management, Distributed Systems, Data Analysis & Modeling Techniques, Database Systems, Data Mining, Secure Programming, Discrete Structures, Software Testing.

University of Mumbai, Mumbai, India, (GPA- 3.70/4.0)   Jun 2017
Bachelor of Engineering in Information Technology
Coursework: Object-Oriented Programming, Data Structure and Algorithm Analysis, Big Data Analytics, Cloud Computing

COURSE PROJECTS

Web Application Development on Cloud Platforms (Python, Flask, AWS, Microsoft Azure, IBM Cloud)

- Directed by python flask framework developed a web-application and completed the given task in a specific time. Hosted this web-application on AWS Elastic Beanstalk, Azure and IBM cloud platform.
- For faster execution of queries from the database, we performed caching using Redis on Microsoft Azure that helped to improve system performance by 40% than its original performance.
- On AWS application, performed load balancing and auto scaling by using JMeter, which helped to improve the system performance by 45%.

Airline Booking System (Java, MySQL)

- Developed Airline Booking System application in which there were various roles like (Passenger, Admin).
- Covered all relevant concepts like joins, triggers, query handling and create, update, delete, remove of data from the database.
- Designed ER and EER diagram with all entities(Airport, Airline company, Passengers), attributes covered, that helped to develop and analyze project.

Multi-Client Synchronous, Asynchronous & RPC based Client-Server Communication (Java/Socket Connection)

- A prototype of a real-time Distribute System where multiple clients gets connected to a single server to perform various operations using a socket connection.
- In synchronous communication both the client and server are in sync while communicating with each other with acknowledgement while in asynchronous communication the acknowledgement was not needed.
- Developed an RPC based Synchronous communication where one program from a system request service to a system (remotely) that is in different environment.

Ibra's Restaurant web application (Laravel, PHP, JavaScript, CSS, HTML, Website link:- Ibra's Burger)

- Created a website as Ibra's restaurant web application with front-end in HTML, CSS and validations in PHP, JavaScript.
- All the routing functions of data were developed in the Laravel Framework with MVC design model.
- Roles like User and Admin were created on the website where the admin was granted special privileges of modifying the items.

Implementation of Lamport's Algorithm, Vector Clock Algorithm that enable totally ordered multicast and (Centralized algorithm) locking schema to protect a resource in your Distributed System (Java/ Socket Connection)

- Developed Lamport's Algorithm with a logical clock which is used to determine the order of events. The events typically ordered in random order based on when they occurred.
- Developed Vector Clock Algorithm with a logical clock which is used to determine the order of events. The events occurred in a sequence as the respective process gets executed.
- Developed a locking schema to protect a resource where only one process accesses the resource at a time.