Arushi Ahmed

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Education:

University of Massachusetts Amherst, MA   **Graduated:** May 2020
B.S. in Computer Science, B.S. in Mathematics, Minors: IT and Psychology

Employment:

Comcast, *Software Development and Engineer 2*   Philadelphia, PA   June 2020 - Present
• Oversee all development projects that follow Agile methodology to ensure that each project is properly scoped, planned, and executed by collaborating closely with project managers and other development teams.
• Successfully spearheaded the implementation and led a team in upgrading our web application from JSP to a React.js and Spring Boot architecture to improve the performance and user experience of our application, resulting in higher levels of customer satisfaction.
• Collaborating with clients on designs and requirements to upgrade two of the team's application framework from Agular to React.js and improve user experience.
• Responsible for creating and maintaining Concourse CI/DC pipelines for the deployment of our applications, as well as security screening, ensuring that the entire process was efficient and streamlined.
• Utilize Toad Automation to construct SQL queries, execute, and generate comprehensive reports that assist senior management in making informed business decisions.
• Help contribute to implementing solutions designs to address technical problems in the current systems to improve billing operations and cost optimization.
• Building automation test scripts for monthly regression testing in Node.js library puppeteer to increase the number of statements validation from 5,000 to 150,000 in a year.
• Built and execute a daily Node.js script that makes sure that customer CTP data is presented on their bill before the statement gets approved and sent out to customers.
• Monitor and manage the department budget, by providing monthly actual spending to compare against annual budget and recommend course of action to maintain spending within the budget.
• Facilitate the weekly software enhancement meeting with the software vendor and finance leadership to finalize enhancement to be included in upcoming monthly release.

University of Massachusetts Amherst, *Undergrad Teaching Assistant*   Amherst, MA   Sep 2019 – May 2020
• Worked for the College of Informatics & Computer Science department for computer science course web programming 326.
• Managed three out of thirty teams to make sure students are following the guidelines and due dates of project millstones.
• Co-instructed weekly lab sections and provide extra help to answers questions or concerns from students.

Northrop Grumman Mission Systems, *Software Engineer Intern*   Woodland Hills, CA   May 2019– Aug 2019
• Developed a weapon flight controller timestamp program that calculates the average, and other time duration in C++.
• Built a UDP graphic user interface multicast server in C# for the weapons flight controller partitions.
• Implemented the Interface Control System Messages in C++ for weapon Sensors/Effectors.

Bright Horizons Family Solutions, *HRIS/HR Operations Intern*   Watertown, MA   May 2018 – Aug 2018
• Used Google Analytics, Tag Manager, and Data Studio to analyze and provide website traffic data and build reports to senior management for making business decisions.
• Updated website content using HTML, CSS, and JavaScript while meeting design guidelines to improve the user experience.
• Used Cornerstones Data Wizard to upload user data to reduce website upload time from one week to one hour.

Skills:

Programming Languages: C/C++, C#, Java, Python, HTML5, CSS/CSS3, JavaScript, React.js, Express.js, Node.js, & Scala
Software: Visual Studio, Git, Toad Data Point, Google Analytics, Google Tag Manager, Google Data Studio MySQL, & MongoDB
UX/UI Skills: Adobe Photoshop, Adobe Illustrator, Web Design, Mobile Design, User Research, & Design Research
Operating Systems: Mac OS, Windows, & Linux

Projects:

Trippin Website: *Web Programming Class Project*
• A website where users can collaborate with their friends/peers to plan group events and know each other availability.
• Worked with a team to implement the site with the guidelines from MERN (MongoDB, Express, React.jsx, Node.js) Stack.
• Project emphasized on UI design layout to make it user friendly and accessible by using CSS framework React-Bootstrap.

Water You Listening To: *Human-Computer Interaction Class Project*
• Created an iOS application to encourage users from all demographics to reduce their water usage when showering.
• The main focus of this project was building and designing the UI interfaces that is users friendly to navigate.
• Designed and implemented the application on XCode and programming language Swift.
Neighborly: Lending a Home, *Best Hack for Housing Inequality at SheHacks Boston 2018.*
• Work with a team to develop an iOS app where people can offer their homes in their community for those in crisis.
• Created the front-end design and application on XCode in Swift.