Sadia Ansari

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Technical Skills

<u>Programming Languages</u>: Python, JavaScript, Java, .NET, C++, HTML, CSS

<u>Technologies and Frameworks</u>: Angular, React, Java Servlet and API, RESTful APIs, Visual Studio, ASP.NET, JDBC, PL/SQL, PostgreSQL, AWS, Postman, Tomcat, HTTP, Bootstrap, HTML DOM, Git

Education

<u>DePaul University</u>	Chicago, IL
Master of Science, Pure Mathematics	June 2019
<u>Loyola University Chicago</u>	Chicago, IL
Bachelor of Science, Major in Mathematics and Minor in Computer Science	May 2017

Personal Projects

Personal Homepage ◆ https://sadia765.github.io

Banking API ◆ https://github.com/Sadia765/BankingAPI
- Architected API with Java Servlet to take HTTP requests and interact PostgreSQL database
- Designed login, registration, transfer, deposit, and withdrawal for a user, admin, and employee
- Technologies: SQL, PostgreSQL, Java, HTTP, Postman

Taskadoodle ◆ https://github.com/Sadia765/Taskadoodle
- Created Angular app that manages, filters, creates, and views tasks and deployed on AWS
- Deployed the front end on an AWS S3 bucket that interacts with the Java API using HTTP
- Technologies: AWS S3, Java API, HTTP, Angular, JavaScript

Quadratic Equation Calculator ◆ https://calculator-sadia765.s3.us-east-2.amazonaws.com/index.html
- Created website to solve quadratic equations and system of linear equations, added user inputs
- Built AWS S3 bucket to host website, troubleshooting errors with SSL and favicon
- Technologies: JavaScript, HTML, CSS, Bootstrap, AWS

Certifications and Coursework

Oracle, Oracle Certified Foundations Associate, Java	March 2021
W3Schools, JavaScript Certification	September 2020
Revature, LLC Technology Certification ROCP 1 and ROCP 2	August 2020

- Completed two certifications, consisting of 320+ hours of lectures, demos, and projects
  - Altered a zero normal form database into a third normal form database
  - Scripted inner joins, full outer joins, left joins and right joins as well as SQL functions
- Technologies: Java, PostgreSQL, JDBC, RESTful APIs, Java Servlets, Angular, Jenkins, and AWS

Coursework at Loyola University Chicago   August 2014 - May 2017
- MATH 215: Object Oriented Programming in Mathematics with Python
  - Wrote Python script for Collatz conjecture, a specific mathematical sequence that converges to 1, to iteratively demonstrate solution in place of a formal proof
- COMP 363: Design and Analysis of Computer Algorithms, COMP 271: Data Structures in C++, COMP 264: Introduction to Computer Systems, COMP 348: Network Security

Professional Work Experience

Teaching Assistant, Department of Mathematics	Chicago, IL and Des Plaines, IL
DePaul University and Oakton Community College	September 2017 - Present