# **YASSMIN ALI**

Solutions Engineer/Software Developer

Deloitte Consulting LLP |

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| 30 Rockefeller Plaza, New York, NY10112 | yassmin.ta.ali@gmail.com | https://github.com/YassminAli00 |

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| **Education****Bachelor of Science, Computer Science GPA: 3.9/4.0**New Jersey Institute of Technology. **December 2020****Selected Work/Research Experience*****Deloitte Consulting September 2021 – present*****Automation Platform:** **Role:** Software EngineerI worked with my Deloitte team on creating an Automation platform for a cellular company. The platform is a collection of web apps that helps in the process of querying the database, parsing the data perform some calculations on them. Some apps also help automate processes that the client has traditionally been executing manually. **Technical Environment:** Python, Django, Angular, JavaScript, OpenShift, and GitHub**FM-CICD Workflow:**  **Role:** Software EngineerI helped the client leveraging CICD and Ansible to automate deployment. Icreated Ansible workflow to automatically deploy the code changes to Dev, UAT, and Prod environments. This is done by automatically running syntax check after pushing a new code and either rolling back to older version of the code in case of syntax error or promoting to a higher environment. **Technical Environment:** Python, and Ansible**Automation and CICD:**  I am currently working with a team on creating a CICD pipeline and creating scripts to automate some tasks. **Technical Environment:** Python, and Atlassian platform ***New Jersey Institute of Technology:*** 09/2020–12/2020**Role:** Teaching Assistant in a machine learning class. ***NJIT Martin Tuchman School of Management*****Role:** Undergraduate Research Assistant 04/2019– 08/2019 |  **Awards*** Deloitte’s Applause Award 2021 and 2022

 **Selected Projects*** **Online Grocery Store:** I collaborated with a team of 4 to build a web app “Grocery Store”.

Technical Environment: AngularJS, TypeScript, Node, CSS/HTML, MongoDB, and GitHub.* **Online exam system:** I participated as a backend developer in designing and developing an online exam system that automates grading and checking syntax in python code. **Technical Environment** PHP and MYSQL.
* **Various Data Structure and Algorithms**: I wrote programs that implements different data structures such as: Graphs, Trees, Linked list, stack, queue, and algorithms such as: sorting, searching, and shortest path algorithms such as Dijkstra’s, Khans, etc**. Technical Environment:** C++ and GitHub.
* **Apriori Algorithm:** I wrote a program that implements the Apriori Algorithm then used it to determine association rules among items in a database. **Technical Environment:** Python
* **ML Classifiers:** I created classifiers to predict stability of a power grid. I used classifiers such as random forest and Naïve Bays. I compared the performance of each model using measurements such as accuracy, recall and precision and recommended the model that yielded better results.**Technical Environment:** Python, Jupyter Notebook

 **Skills*** **Programming languages:** C++, Python, PHP, R
* **Web-Technologies:** JavaScript, HTML/CSS, Django and Angular
* **Data Management:** MySQL
* **Tools:** GitHub, Ansible
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