SHUBHAM GUPTA

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SUMMARY

MS Computer Science graduate student with 3 years of experience as a software engineer seeking summer internship.

EDUCATION

Arizona State University, *Ira A. Fulton Schools of Engineering* - Tempe, AZ
M.S. Computer Science, May 2020 (expected), GPA: 3.67

VIT University, *Vellore Institute of Technology* - Vellore, TN
B. Tech. Information Technology, May 2015, GPA: 8.73(on scale of 10)

TECHNICAL SKILLS

- **Programming Languages** - C, C++, SQL, VBA, Python, Java, HTML, CSS.
- **Software Tools/Frameworks** - SQL Server, Selenium, Eclipse, TestNG, GIT, Toad for Oracle, Excel Macros
- **Operating Systems** - Windows 10/8/7, Linux (Ubuntu)
- **Others** – Data Structures and Algorithms, Agile/Scrum Methodologies, Software testing

PROFESSIONAL EXPERIENCE

SDET, *S&P Global Market Intelligence*, Gurgaon, India
July 2015 - June 2018
- Responsible for end to end data testing of all Ratings products.
- Ensured data quality by running various data checks on multiple DB servers (SQL Server/Oracle), consisting of formulating and executing complex SQL queries, performing stored proc review, etc.
- Automated 60% of data quality checks by using SSIS packages and SQL agent job.
- Done testing of web-based RD portal and automated regression cases using Selenium/Kosher framework.

Intern, *S&P Capital IQ*, Gurgaon, India
Jan 2015 - May 2015
- Worked on two projects namely Automation Regression Dashboard and Defect Dashboard.
- Automation Regression Dashboard is all in one utility tool for performing regression testing by cross ref team. Defect Dashboard gives in depth details of defects of the team for each release cycle.
- Saved 90% of time in regression testing for each release as compared to when run manually.

RELEVANT PROJECTS

Implementing Similarity Finding problem for Objects using Machine Learning techniques: Aug 2018 – Oct 2018
- Given object data (textual and visual), aim of project is to apply dimensionality reduction on it(using various methods like SVD, PCA, LDA).
- Then, using various supervised and unsupervised ML algorithms (classification, clustering, ranking), implemented the solution to find similarity queries output as requested by the user. Implemented in Python using sklearn and numpy libraries.

Implementing a compiler for a simple language: Aug 2018 – Sep 2018
- Aim of the project is to write compiler for a given language. The program generates intermediate representation(data structure), which is interpreted to execute the program. Implemented using C++.

Automation Regression Dashboard: Jan 2015 - Apr 2015
- The test suite is developed using VBA, Excel macros, HP OTA API, ADO DB objects.
- It imports the test cases from HP ALM, runs them in the SQL server and updates their execution status. Also, the report of the test run is mailed to all members of the QA team.

AWARDS AND ACCOMPLISHMENTS

- Awarded bronze Ace awards in categories of Drive Performance & Elevate People in S&P Global.
- Was amongst the top 10 coders in the Code Fu Hustle event organized by Cerner India in VIT.
- Done following certifications: ISTQB Certified Tester- Foundation Level & ISTQB Certified Tester- Agile Extension.