SHIVAM VERMA

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SUMMARY

Software Developer, skilled in Python, Java, and SQL with an experience of 2+ years in the field of information technology with a comprehensive background in web application development, enhancement, and maintenance with an extensive knowledge in the field of programming, data analysis, visualization, business intelligence, database management and Azure Cloud Services. Currently Seeking Internship Opportunities in Software Development/Data Engineering from Summer 2019.

EDUCATION

MS in Software Engineering, Arizona State University, May 2020 (Expected), 3.78/4.0

- **Coursework:** Web Application Programming, Emerging Language and Programming Paradigms, Software Agility, Design and Analysis of Data Structure and Algorithm, Foundation of Software Engineering, Semantic Web Engineering

Bachelor of Technology in Computer Science, Jaypee Institute of Information Technology (India), May 2015, 72/100

- **Coursework:** Machine Learning and Big Data Analytics, Artificial Intelligence, Data Mining

TECHNICAL SKILLS

Programming/Scripting Languages & Frameworks: Python, Django, Java, JavaScript, HTML, CSS
Databases: MySQL, PostgreSQL, SQLite, MongoDB, Oracle, SQL Server
Tools & OS: Visual Studio, Eclipse, Git, Hadoop, Scrum, NLTK, NumPy, Pandas, RESTful APIs, AWS, Azure, Linux, MacOS, Windows

PROFESSIONAL EXPERIENCE

Software Engineer 2, MAQ Software   **Mar 2016 – July 2018**

- Centralized data pull for more than 15 upstream sources by creating an automated data refresh application through SSIS.
- Processed data collected at data staging layer by writing stored procedure and storing data as facts and dimensions in SQL Datawarehouse.
- Created OLAP Multidimensional Cube (SSAS) to assist Business and Finance clients in Sales Trend Analysis through Metrics as WoW, MoM, YoY etc.
- Established a release management using GIT and RM for automated backend production deployments with adherence to all SDLC principles.
- Interacted with clients to gather business requirements, modeled them into user stories and negotiated sprint plan for a structured delivery process.
- Responsible for researching, replicating, performing root cause analysis and providing solution to the data issues reported by customer.

Business Intelligence Developer, University Technology Office at Arizona State University   **Oct 2018 – Present**

- Worked on creating scripts and enhanced existing scripts python/node.js for meta data collection and used AWS lambda to invoke functions via handler objects and helped the team to successfully migrate to a new platform.
- Worked on SQL procedure to create facts and dimension to report the workspace usage of a user thus helped the team to create dashboards and mark the dormant users.

ACADEMIC PROJECTS

Movie Showtime Finder   **ASU, Fall 2018**

- MovieShowTime Finder is an intelligent web application (Python/Django) which analyzes the user data and maps it to the new releases according to the user interest and recommend movies by sending mail or text notifications.
- The web application uses a content-based recommendation engine which suggests movies based the similarity measure of the user selected movies.

Sentiment Analysis of Customer Feedback   **Dec 2018**

- Used a combination of Natural Language Processing and Text Analytics on the feedback to computationally identify and categorize opinions expressed in a piece of text.
- Cleaned and prepared data by removing numbers, URLs, links, punctuations and the meaningful text was extracted using Suffix dropping algorithm, Lemmatization algorithms and n-gram analysis.
- Classified the text into negative and positive based Logistic Regression.
- Compared and Plotted the accuracy of the classifier on using unigram, bigram and trigram.

INTERESTS

- Full Stack Development
- Machine Learning and Data Analysis
- Business Intelligence

CERTIFICATIONS

- Certificate in Querying Microsoft SQL Server 2012/2014 (70-461), Developing SQL Databases (70-762), Performing Cloud Data Science with Azure Machine Learning (70-774), Analyzing and Visualizing Data in Power BI (70-778)
- Certificate in Certificate in Data Warehousing for Business Intelligence, a 5-course specialization by University of Colorado (Coursera)