# SHIVI BHATT

Boston, MA | 857.452.3634 | bhatt.s@northeastern.edu | https://www.linkedin.com/in/shivibhatt/ | https://github.com/shivibhatt

## EDUCATION

**Northeastern University, Boston, MA**                                               Expected May 2022
*Master of Science in Information Systems, (3.93/4.0)*
- *Relevant courses:* Data Science Engineering Methods and Tools with Python, Data Management and Database Design, Designing Advanced Data Architectures for Business Intelligence

**Jayoti Vidyapeeth Women's University, Jaipur, India**                                   June 2014
*Bachelor of Technology in Computer Science*

## TECHNICAL SKILLS

| | |
|---|---|
| Programming languages | Java, Python, SQL |
| Data Warehousing Tool | Talend, Alteryx |
| Data Visualization Tool | Microsoft Power BI, Tableau, MS-Excel |
| Databases | Microsoft SQL Server, MySQL, MongoDB, NoSQL |
| Tools | SQL Server Management Studio, Talend Data Integration, Jupyter Notebook, Git, JIRA |
| Certification | **AZ-900 azure fundamentals** |

## WORK EXPERIENCE

***Northeastern University| Boston, MA***                                           Jun 2020 – Dec 2020
**Graduate Teaching Assistant**
- Assisted **100+** students by maintaining weekly office hours and problem-solving sessions in **JAVA**
- Partnered with the professor for grading, code reviewing, designing assignments and quizzes for the students

***Power School India Pvt. Ltd. | Bangalore, India***                                 Aug 2017 – Dec 2019
**Senior Data Analyst**
- Formed complex **15+ SQL queries** to extract, clean and wrangle **60M+** of structured and unstructured K-12 education data and conducted **predictive analysis** to provide insights to help identify at-risk students, improved school engagement by **80%**
- Collaborated with engineers for designing star schema data models by doing **descriptive analysis** to identify KPI benchmarks, for reliable and strategic decision making
- Implemented **28+ parallelized** bulk copy program using extract/transform/load (**ETL**) data, achieved **10x faster** loading of data into the target data mart by using an **azure blob storage** resource
- Performed **diagnostic analysis** using **MSSQL** to identify students who scored less in state assessments, provided strategic recommendation which significantly changed the student outcome with a **54-point** increase in assessments
- Designed **18+** interactive **Power BI dashboards and ad-hoc reports** showcasing a comprehensive view of overall student performance to drive data informed decision making

***Capgemini India Pvt. Ltd.| Bangalore, India***                                     Oct 2014 – Jul 2017
**Data Analyst**
- Structured **20+ SQL scripts**, interacted with clients to resolve financial app queries, succeeded in **100% client satisfaction**
- Delivered **12+ ETL (extract/transform/load) jobs**, using slow changing dimension (**SCD**) type 2 technique as per client requirement and deployed it in TAC (**Talend Administrator Center**)
- Utilized SQL query optimization and indexing techniques to make system **5x faster** in the production environment
- Provided support by daily monitoring **ETL nightly jobs** in the production environment and send status mail to client

## ACADEMIC PROJECTS - *Northeastern University, Boston*

***Retail Insights and Dashboard (Power BI, SQL Server, MySQL, Talend, Alteryx, Data Warehousing)***   Sep 2020 – Dec 2020
- Developed and optimized **10+ ETL** jobs using **Talend** to integrate data into facts and dimensions of retails data, devised key metrics and generated insights on retails data to identify **top 5** products to support investment decision

***Pet Inventory System (Tableau, SQL Server, Data Modelling)***                       Jun 2020 – Aug 2020
- Created relational database system for a pet inventory store sale, **wrote 10+ SQL scripts (PLSQL, Trigger)** to audit the data for product's sales, order and showcasing monthly profits through interactive **Tableau dashboards**

***Emergency Response System (Java, Java Swing)***                                     Jan 2020 – May 2020
- Coordinated with team of 3 to create swing application, which is scalable to the various organizations in the system, integrated **google maps** and implemented **email/SMS alert** feature to notify registered volunteers