PRIYAL MITTAL

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EDUCATION

Northeastern University
College of Computer and Information Science, Boston, MA   *Sept 2017 – Dec 2019(expected)*
Candidate for Master of Science in Computer Science   **GPA**: 3.47
Related Courses: Managing Software Development, Web Development, Data Mining Techniques
                     Database Management, Algorithms, Information Retrieval, Programming Design Paradigm

Guru Gobind Singh Indraprastha University,
Maharaja Agrasen Institute of Technology, Delhi, India   *Aug 2012 – Jun 2016*
Bachelor of Technology in Information Technology   **GPA**: 3.9
Related Courses: JAVA & Website Design, Database Management, Data Warehousing & Mining, Operating Systems

TECHNICAL KNOWLEDGE

Languages: Python, Java, JavaScript (ES6), SQL, HTML+ CSS, XQuery
Web Technologies: ReactJS, jQuery, React Native, Angular4, NodeJS, Express, Spring Boot
Database: MarkLogic, PostgreSQL, SQLite, MySQL, MongoDB
Tools: Eclipse, WebStorm, PyCharm, Spring Tool Suite, Maven, Git, Jira, RapidMiner, Jenkins, Dell Boomi
Cloud Services: Amazon Web Services' Elastic Beanstalk, Relational Database and S3

WORK EXPERIENCE

Suffolk Construction, Boston, MA   *Jan 2019 – Present*
Data Engineering Co-op

- Ingested data from disparate silos using **Dell Boomi** and harmonized them into a **Data Hub** managed in MarkLogic.
- Implemented RESTful web services to connect to MarkLogic repository for use in data visualization tools like **PowerBI**.
- Developed a web app for easy viewing and modification of MarkLogic data by various other teams. (ReactJS, Xquery)
- Developing a web app to create/modify **organizational charts** for laying out the company's official user hierarchy and making it easier to modify users in a project and their positions in the company. (ReactJS, Rest-Xquery, MarkLogic)

Northeastern University, College of Computer and Information Science, Boston, MA

Teaching Assistant – CS1100 Computer Science and its Applications   *Sept – Dec 2018*
                     CS3200 Database Design   *Jan – May 2018*

- Assisted faculty members by developing teaching materials, grading assignments and exams, and helping students comprehend the concepts associated with the respective courses.

Accenture Solutions Pvt. Ltd., Gurugram, India   *Jan – May 2017*
Associate Software Engineer

- Retrieved information from an operational data store by executing SQL queries using **Oracle SQL Developer** for bulk data analysis. Also reported on milestones of the **Agile** based project and its key performance indicators.

ACADEMIC AND PERSONAL PROJECTS

Course Management System, *Northeastern University, Boston, MA*   *May – Jul 2018*
- Developed a web application, using **ReactJS** in frontend and **Java Spring Boot** in backend, where a faculty can add and author courses, and students can enroll for available course sections and get tutored online.
- Implemented **RESTful** web services to connect to the **MySQL** database using **JPA/Hibernate**.

Travel Management System, *Northeastern University, Boston, MA*   *May – Jul 2018*
- Designed a web application using the **MERN** stack where customers can search and book hotels, restaurants, points of interest and car providers by a location/name and can also view/redeem coupons for each.

Search Engine, *Northeastern University, Boston, MA*   *Dec 2017*
- Implemented an information retrieval system based on **BM25**, **tf-idf**, **Lucene**, **Query Likelihood** retrieval models.
- Determined the best retrieval model through evaluation metrics and data visualization.