**Pankti Bhalani**

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# **EDUCATION**

**Northeastern University, Boston, MA** Sept 2016 – Present  
College of Computer and Information Science GPA: 3.7/4.0  
Candidate for Master of Science in Computer Science  
Relevant Course Work: Algorithms, Information Retrieval,Natural Language Processing, Map Reduce, Web Development, Program Design Paradigm

**Dharmsinh Desai University, Gujarat, India** June 2011 – May 2015  
Bachelor of Technology in Computer Engineering GPA: 8.2/10.0  
Relevant Course Work: Data Structure and Algorithm, Database Management System, Artificial Intelligence, Web Development in .NET, Software Engineering, Data Mining.

# **TECHNICHAL KNOWLEGDE**

**Languages:** Python, JAVA, C#, PHP, Racket, Objective-C. **Web Technologies:** Angular.JS, Node.JS, Express.JS, ASP.NET, HTML, CSS, JavaScript **Software:** Dream-Weaver, Net-Beans, X-Code, Web-Storm, GitHub **Databases and Other Skills:** SQL, MySQL, MongoDB.

# **WORK EXPERIENCE**

**ESSAR POWER, Hazira, India** Aug 2015 – February 2016 **Software Engineer co-op**

* Developed and Designed a Transmission Tower Management System for EPTCL (ESSAR POWER TRANSMISSION COMPANY LIMITED) using technologies C#, ASP.NET, SAP Crystal Reports, Google Maps API, Microsoft SQL Database and Open XML SDK which manages data for technical, legal, land ownership and maintenance details.
* Implemented features to export reports to EXCEL, update data through EXCEL, view Tower Location in Google Maps and notify users through email for any updates or insertion in modules.
* Corresponded with clients to gather the requirements and an overview of the functionalities for the application.

# **PROJECT**

**Search Engine Implementation (Python, NLKT, Beautiful Soup)**

* Developed an indexer to store the token of 3000 Documents which were created by crawling websites.
* Implemented BM25, cosine and tf-idf similarity model to extract top 100 documents for a query.
* Expanded the Query using Pseudo Relevance Model by implementing rocchio algorithm and obtained 20% better search results.

**Road Trip Planer (Python, Google Maps API, JSON, Android)**

* Developed a Mobile application by using Android programming and integrating Python, JSON, Google Maps and Geocoding API which recommends different routes based on the vicinity of the traveler’s current location for the Road trip and the relevant places the traveler can visit during the trip.

**Movie Rater (JAVA, POS-Tagger, Senti-word, SQL)**

* Researched seven papers to develop the website which rates the movies based on the comments given by the users using Unsupervised Feature Based Sentimental Analysis using JAVA, Pos-Tagger, Senti-Word and SQL.