Pankti Bhalani

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Available: **May 17**

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, Program Design Paradigm, Information Retrieval, Web Development

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, Database Management System, Web Development in .NET, Software Engineering, Data Mining

TECHNICHAL KNOWLEGDE

Languages: Python, C#, C, JAVA, PHP, Racket, Objective-C
Web Technologies: ASP.NET, HTML, CSS, JavaScript, XML, JSON, Node.JS, Angular.JS, Express.JS, Bootstrap
Software: Microsoft Visual Studio, Dream-Weaver, Net-Beans, X-Code, Web-Storm
Databases and Other Skills: SQL, MySQL, MongoDB, AWS
Operating System: Linux, Mac OS, Windows 7

WORK EXPERIENCE

ESSAR POWER, Hazira, India Aug 2015 – February 2016
Software Engineer

- 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.

PROJECTS

Search Engine Implementation (Python, NLKT)

- Developed an indexer to store the token of 3000 Documents.
- Implemented BM25, cosine and tf-idf similarity model to extract top 100 documents for a query.
- Expanded the Query Using Pseudo Relevance Model and obtained 20% better search results.
- Implemented MAP, MRR, precision-k and recall-k measures to evaluate given document-rank file of a different IR model and created Precision/Recall curves for visualization.

Web Crawler (Python, Beautiful Soup)

- Designed and implemented a web crawler to perform focused and un-focused crawling for the given seed page and a depth level using Python and Beautiful Soup.

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.

Social Media Application for Photos (PHP, JavaScript, MySQL)

- Designed and developed a website which includes features like photo-editing, commenting, liking the photo as well as photo-sharing using PHP, JavaScript and MySQL.

Music Listening Application (C#, SQL)

- Developed a Web application based on MVC Architecture where the admins can add genre, albums and songs whereas users can listen to these songs by searching by their genre, album or name using C# and SQL.
- Users can also view the popularity of the songs based on genre and albums.