Pankti Bhalani

8574079390 | panktibhalani@gmail.com | https://github.com/pankti11/

EDUCATION

Northeastern University 2016 – 2018
Master of Science in Computer Science GPA: 3.7
Relevant Courses: Web-Development, Algorithm, Program-Paradigm-Design, Information-Retrieval

Dharmsinh Desai University 2011 – 2015
Bachelor of Technology in Computer Engineering GPA: 8.2
Relevant Courses: Data-Mining, Database-Management, Service-Oriented-Architecture, Software-Engineering, Artificial-Intelligence, Data-Structure-and-Algorithm, Web-Development-in-.NET

TECHNICHAL KNOWLEGDE

Languages: python, java
Web Technologies:
Software:
Software:

WORK EXPERIENCE

ESSAR POWER, Hazira, India 08/2015 – 02/2016
Software Engineer Intern

- 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

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.

Search Engine Implementation (NLKT Python)

- 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.

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TECHNICHAL KNOWLEGDE

Languages: python, java
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Software:
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WORK EXPERIENCE

Philips, Boston, MA 08/2015 – 02/2016
Software Developer COOP

- Analyzed historic data for NRHL from various cloud storage such as Loggly, New Relic, available APIs and Database storage (ElasticSearch and ElasticSearch APIs)
- Generated trend analysis for past events using various environment for statistical computing and graphics
- Translated business needs into actionable modeling strategy and data mining goals
- Implemented various machine learning algorithms using Scala on Apache Spark platform, R programming language for initial mock data, various submodules in python with complete automation process using Jenkins, Docker and Ansible 2.0

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PROJECT

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.

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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.