Pankti Bhalani

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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

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

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

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.

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.

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.