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Nabilahmed Patel

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EDUCATION

Master of Science in Computer Science *Aug '15– Dec '17*
The University of Texas (UT) at Arlington, TX *GPA: 3.70*

Bachelor of Science in Computer Science *June '11 – May '15*
The Maharaja Sayajirao University (MSU), India *GPA: 3.67*

Relevant Coursework: Algorithms, Data Structures, Data Mining, Neural Networks, Cloud Computing, Software Design Patterns, Software Engineering Management, Advanced Topics in Database System

EXPERIENCE

Software Development Intern **Vercom Software Inc., Arlington, TX** *Dec '16 – May '17*

- Developed front-end and back-end functionalities for "Real Estate Marketplace" website using OneUI framework, PHP, MySQL and AWS. [Re4i Marketplace Website]
- Designed an iOS app for the "Real Estate Marketplace" using PHP services, AWS, Xcode, Swift to ease access and improve user experience for end user. [Re4i Marketplace App]

Software Development Intern **Vercom Software Inc., Arlington, TX** *May – Aug '16*

- Developed UniBasic and Python scripts to retrieve and parse PRIMAC data from UniData.
- Developed static website for Print Industry Management and Control (PRIMAC) system using OneUI framework, PHP, MySQL and AWS.
- Designed an android app for PRIMAC using Android Studio, PHP services, MySQL, AWS to ease access and improve user experience for end user.

TECHNICAL SKILLS

Software: Eclipse, Microsoft Visual Studio, Android Studio, Xcode, MySQL
Languages: C, C++, C#, Java, Python, PHP, SQL, HTML, Swift
Clouds: Amazon Web Services (AWS), IBM Bluemix, Microsoft Azure

PROJECTS

Back-propagation neural network (Python, theano) *Oct – Nov '16*

- Implemented a fully-connected two-layer back-propagation neural network.
- Trained it using cifar dataset by varying different parameters such as number of nodes in hidden-layer, weight regularization constant, activation functions.
- Calculated and plotted loss function, error rate and confusion matrix of test dataset.

Requirements Acquisition Tool (Java, Swing, Software Design Patterns) *Sep – Nov '16*

- Implemented software application using an agile unified methodology.
- Tool accepts the domain description of project and generates the requirements specification.

Toy Search Engine (Python, Data Mining) *Jan – Feb '16*

- Implemented a toy "search engine" which reads a corpus and finds TF-IDF vectors for documents.
- Given a query string, it computes the cosine similarity and return the most similar document.

Analysis of Weather Data (Java, Map-Reduce) *Nov – Dec '15*

- Analyzed the weather data using concept of Map-Reduce and Apache Hadoop.

Transaction Manager and Deadlock Detector (C, Database Techniques) *Sep – Oct '15*

- Implemented Transaction Manager using Strict 2-Phase Locking.
- Implemented Deadlock Detector using wait for graph which is built from Lock Table.

More Projects at github.com/nmp4817