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## Nabilahmed Patel

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<https://nmp4817.github.io>

### 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** July '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, Web-data Management, Distributed Systems, Secure Programming

### EXPERIENCE

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

- Developed front-end and back-end functionalities for “Real Estate Marketplace” website using **JavaScript, jQuery, Bootstrap, HTML5, PHP, MySQL and AWS**. [[Re4i Marketplace Website](#)]
- Designed an iOS app for the “Real Estate Marketplace” using **PHP services, AWS, Xcode, and 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 website for PRIMAC system using **OneUI framework, PHP, MySQL, and AWS**.
- Designed an android app for Print Industry Management and Control (PRIMAC) using **Android Studio, PHP services, MySQL, and AWS** to ease access and improve user experience for end user.

### TECHNICAL SKILLS

**Tools/Libraries:** Eclipse, Visual Studio, Android Studio, Xcode, NumPy, Pandas, Matplotlib, Redis, Flask, Git, AWS  
**Languages:** Java, Python, PHP, C, C++, C#, SQL, HTML, Swift, JavaScript, CSS, jQuery  
**Databases:** MySQL, Oracle, MS-SQL, MongoDB  
**Operating Systems:** Windows, Linux, Unix, macOS

### PROJECTS

**Web Interface to Static Analysis Tool:** Designed Web Interface to the static analysis tool(**flawfinder**) using **PHP, HTML5, CSS, MySQL and Secure programming concepts**. A user can register, authenticate, submit code and retrieve results.

**Prototype of Animal Health-Center Website:** Developed prototype of animal health-center website using **CodeIgniter (MVC Framework), PHP, MySQL, XAMPP, CSS, HTML and JavaScript**.

**Back-propagation neural network:** Implemented a fully-connected two-layer back-propagation neural network using **python, theano, numpy and matplotlib**. Trained it using cifar dataset and plotted loss function, error rate and confusion matrix of test dataset.

**Requirements Acquisition Tool:** Developed a Tool using **Java, Swing, Design Patterns, Stanford NLP Parser and an agile unified methodology**. Tool accepts the description of project and generates the requirements specification.

**Toy Search Engine:** Designed a toy "search engine" using **python, nltk and vector space model**. Given a query string, it computes the cosine similarity and return the most similar document.

**Analysis of Weather Data:** Analyzed over 1GB of data to find weather station with similar weather conditions using concept of **Map-Reduce(Java) and Apache Hadoop**.

**Sales and Inventory Management System:** Built a window-based application to generate purchase orders and invoices according to customer purchase using **ASP.NET, C# and SQL SERVER 2008**.

**Railway Reservation Management System:** Designed user-friendly Railway Reservation Management System as Client-Server Application using **Java, Swing, Oracle 11g and Remote Method Invocation(RMI)**.

More Projects at [github.com/nmp4817](https://github.com/nmp4817)