**SHANMUKH MADHAVARAPU**

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**Academic Profile:**

* Currently pursuing Masters in Information Systems at University of North Texas (UNT), **4.0 GPA**
  + **Courses: Python, HTML5 & CSS, PHP, Big Data Analytics, Data Mining, Predictive Analysis**
* Bachelor of Technology in Electronics and Communication Engineering (2011-2015), JNTUH **4.0 GPA**
  + **Courses: C, Java**

**Technical Skills:**

* **Languages :** C & DS, C++, C Sharp, Java, Python, SQL, Oracle
* **Application :** Microsoft Office Suite
* **Web Development :** HTML, XML, Joomla, JavaScript, JSP, PHP, Perl, JSON, JFlex, BootStrap
* **Tools :** SAS, SPSS, Tableau, MS Excel, Minitab, Eclipse
* **Operating Systems :** Windows, Linux, Unix, Mac OS

**Professional Experience:**

* Presently working as an Intern **Software Developer at Software Professional Incorporated** at Texas
  + Web designing using HTML, CSS, Bootstrap for SPI and backup using PHP and MYSQL
  + Creating an inspection portal for ARGOS using Java
* **Research Assistant at UNT** since Spring 2015 under Dr.Yvonne Chandler
  + Web designing for UNT Libraries and Black Board Maintenance
* **Teaching Assistant at UNT** during Fall 2016 for PHP

**Projects:**

**Project:** Object Oriented Parser

**Skill:** Java, JFlex Jan-Feb’16

**Tasks:** Implemented an object oriented top-down parser in Java that parses all MicroScala programs and reports any syntax errors. Translated the programs into intermediate code for a Java Virtual Machine. Used JFlex to create lexical analyzer to analyze MicroScala program and passing tokens to parser.

**Project:** Analyzing Consumer complaints pattern in Financial Institutions

**Skills:** Python

**Tasks:** Predicting the pattern and frequency of complaints for the institutions on monthly trend over years and complaints received from individual financial agencies.

**Project:** B+ Tree implementation

**Skills:** Core Java

**Tasks:** Implemented the creation of B+ tree, a data structure that is used widely for indexing the database tables based on a search key attribute

**Academic achievement:**

* Awarded first prize in an innovative contest in FICE program conducted by University of Berkeley.
* Event organizer of Institute of Electronics and Electrical Engineering (IEEE).
* Won 1st prize in Poster presentation entitled “Cyber Security” at NIT Warangal 2014.