SATYA ADITYA PRANEETH EMANI

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**OBJECTIVE**

To obtain Software Engineer position

**EDUCATION**

**Texas A&M University** Fall 2015 – Spring 2017

College Station, Texas, USA

M.S Computer Engineering

**GITAM University** June 2010 – May 2014

Visakhapatnam, Andhra Pradesh, India

B-Tech, Electronics and Communication Engineering, GPA: 3.70

**RELEVANT COURSEWORK**

Computer Communication & Networking, Mobile Wireless Networks, Internet Protocol & Modelling, Real-Time Wireless, Analysis of Algorithms, Software Engineering, Database Systems, Programming Language Design

**SKILLS**

**Programming:** C++, JAVA, Objective-C, PHP, Ruby, Node.js, Express.js

**Databases:** MySQL, Oracle, MongoDB

**Scripting:** Bash

**Operating Systems:** Linux, Unix

**EXPERIENCE**

**Co-Founder, Freelane Technologies:** Worked on development of server and Application Program Interfaces (API) for Freelane using Java and designed an iOS mobile application called **Freelane** using Objective-C

(May 2016 – Dec 2016)

**Software Engineer, Verizon Data Services India:** Worked on Mobility Frameworks in the development of Enterprise Applications using Objective-C, Swift and Java for clients like Ann Taylor, Bank of America and Isola

(June 2014 – June 2015)

**PROJECTS**

**Faculty Course Assignment System:** Developed a web interface using Ruby on Rails, which automates the assignment of courses to faculty based on their availability for each semester (Texas A&M University, Fall 2016)

**Tiny-SQL Interpreter:** Developed a Tiny-SQL interpreter which accepts SQL queries, executes the queries and outputs the results of the execution in Command Line. Interpreter has the following components written in C++: Parser, LQP Generator, Physical Query Plan Generator and Tuple Operations (Texas A&M University, Fall 2016)

**Implementation of Network Protocols in TCP/IP:** Developed a Simple Broadcast Chat Protocol (SBCP) using Socket Programming in C which can handle finite number of clients using SELECT functionality. Developed a Trivial File Transfer Protocol (TFTP) which can Read/Write files from Server. Also, designed a HTTP Proxy using LRU mechanism (Texas A&M University, Fall 2015)

**Implementation of Network Simulation 2:** Designed a real-time network and simulation using NAM and XGRAPH to obtain throughput of typical TCP and UDP connections like FTP and CBR less (Texas A&M University, Fall 2015)