

## Professional Summary

Computer Engineer with exceptional design, and troubleshooting skills seeking a position in the company where these skills can be put to good use and result in the development of the company.

## Education

Masters Electrical & Computer Engineering | **Rutgers University**, New Brunswick, NJ, December, 2016.

Bachelors Electronics and Communication Engineering | **GITAM University**, Vishakhapatnam, India, April 2014.

## Projects

### WEB BASED STOCK FORECASTER

- Implement website for stock transactions with login. Coding was done in Java, HTML, Python, PHP and JavaScript.
- Predict stock curves and suggest user to buy and sell stocks, machine learning algorithms have been used to accomplish this.
- The machine learning part of the project is Implemented in python using the Scikit-learn library, an algorithm called SVM(Support vector machine) has been used.

### MALWARE ANALYSIS

- Analyze a virus sample and reverse engineer the sample using IDA Pro or OllyDbg.
- Analyze the instruction level code to perform 'Static and Dynamic analysis', thereby develop an Anti-Malware detection algorithm.

### ACCOUNT MANAGEMENT SYSTEM

- Implement a system which will manage a stock portfolio account and a bank account. Implemented as derived classes in C++.
- Implement a GUI, linked lists to store the portfolios and account info, and plot the portfolio variation in MATLAB.

### DESIGN OF A 16-BIT PROCESSOR

- Built a 16-bit processor with 16- bit ALU that performs all the basic arithmetic and logic operations, along with storage registers. The code was written in VHDL then dumped into an FPGA and tested on it.

## Experience

### • DATA ANALYTICS INTERN, SHIPMILE LOGISTICS; HYDERABAD, INDIA – JUNE,2015- AUGUST,2015

Analyze the huge amounts of data stored in the database using Tableau and document the required information. Automation of data processing using algorithms and most of the programming is done in python and XML.

### • INDUSTRIAL INTERN, CENTUM ELECTRONICS; BANGALORE, INDIA – JULY, 2013- AUGUST,2013

Worked as the junior Linux administrator under supervision. Where the main objective was to maintain the apache server run on a Red Hat, that contained the database which could be remotely accessed by the employees. MySQL was used as the database for storing data. Other main objective was to maintain the firewall and continuously monitor for open ports to ensure the security of data.

### • EMBEDDED PROGRAMMER, ROBOSAPIENS; HYDERABAD, INDIA – JUNE, 2012- JULY, 2012

Programming of Microprocessors and microcontrollers for implementing different functionalities programming the codes in Embedded C and Objective C. Working with Zigbee wireless controllers and RFID chips.

### • ENGINEERING INTERN, BHARAT ELECTRONICS LIMITED; BANGALORE, INDIA – MAY, 2013- JUNE, 2013

Project to build a circuit through OrCAD that converts a low voltage signal to a high voltage signal, by reducing the noise from the signal keeping the signal characteristics intact and realize it on a circuit board.

### • TEACHING ASISTANT, RUTGERS UNIVERSITY; NEW BRUNSWICK, NJ - SEPTEMBER,2015-DECEMBER,2016

Worked as teaching assistant for the course Elements of Electrical Engineering with nearly 200 students.

### • CONTROL SYSTEM ENGINEER, V.E.M TECHNOLOGIES; HYDERABAD, INDIA – MAY, 2012

Working with motor controllers and developing a control system that maintains the temperature of a system using a BLDC motor.

## Skills

- Languages: Python, C, C++, Java, Swift, XML, HTML5, CSS, PHP, JavaScript, and SQL.
- Experience with Frameworks such as Angular2JS, NodeJS, REST and Databases like MySQL, MongoDB.
- Technologies and Tools: Unity, Eclipse, Xcode, Visual Studio, Hadoop, Android Studio, Tableau.
- Hardware Languages: VHDL, Verilog.
- Experience with hardware related software like Xilinx (ISE), Virtuosio, Cadence, TetraMAX, MATLAB, OrCAD, AVR Studio.

## Certifications

- Certified ethical hacker, certified by the EC-Council. An ANSI accredited program.
- Intro to Linux certification from The Linux Foundation. And experienced handling OS like CentOS, Red Hat, Ubuntu, Mint.
- Artificial Intelligence and Descriptive statistics online courses through edx.org, and implemented the AI algorithms in projects.
- Mobile Application Development course through Udacity for both Android and iOS. And created version controlled repositories in Github.