SHIVA PRASAD REDDY KATTA

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I want to excel in this field with hard work, perseverance and dedication and establish an enjoyable career for myself.

EDUCATION

Bachelor of Engineering, Electronics&Communications Engineering-Osmania University,Hyderabad,India June 2016 Aggregate: 59.8%

WORK EXPERIENCE

Associate Software Engineer Tyche IT Consulting(since July 2016)

Working on a project for the client '**ACE Hardware**' using Python. The project is to redesign the existing architecture to improve the efficiency. SQL is also being used to enhance the performance. The changes are being deployed to development, production and testing stages successively to validate. Acquainted with Data Ware Housing concepts, Java, HTML, JavaScript as well.

Undergraduate Research Intern Electronics Corporation of India Ltd.(May-June 2015)

Done a project on "Design and Implementation of Advanced Encryption Standard". AES is a symmetric encryption algorithm processing data in block of 128 bits. Implemented AES Rijndael algorithm on FPGA using Verilog and synthesis was done using Xilinx.

COURSE WORK

Intro to Data Science Udacity, Inc.

Artificial Intelligence Nanodegree Program Udacity, Inc.

The former course introduced me to the basics of Data Science while the latter program gave me strong insights into Python programming, Object Oriented programming, and Data Structures & Algorithms.

Machine Learning Crash Course Google

I have learnt how to apply Supervised, Unsupervised, Reinforcement Learning techniques for solving range of Data Science problems.

Intro to Descriptive & Inferential Statistics Udacity, Inc.

Complete Python Bootcamp Udemy, Inc.

ACADEMIC PROJECTS

-Academic Projects, Bachelor of Engineering, India, 2012-16

- **Design and Implementation of UART using VHDL on FPGA at 'Advanced Systems Laboratory'**: UART which is a piece of computer hardware that translates data between parallel and serial forms is implemented on FPGA using VHDL and simulated using ISE software tool to meet design requirements.
- **Home Automation using Raspberry Pi**: Constructed a Web based communication system where devices in home are controlled via internet using HTTP protocols. Raspbian OS is installed in Pi. HTML, PHP files are prepared and a relay circuit is set.
- **All Terrain Rover**: Constructed robot which is capable of sustaining on any terrain. Suspension to individual wheels is spring loaded so that it can drive over just any terrain.

SKILL SET

Operating Systems: Windows, Mac, Linux
Languages: C, C++, Java, HTML, Python, CSS, JavaScript, SQL, MATLAB, VLSI, Verilog
Tools: Eclipse, My SQL, DB2, Xilinx(ISE)

ACHIEVEMENTS & ACTIVITIES

- Secured 1st place for a paper presented on at 'Technical Symposium' at SNITS
- Presented a paper on BIOMETRICS at 'FELICITY 2k15', the annual techno-cultural fest by IIIT-Hyd
- Secured 2nd place in the event 'Robo Fosa' at a technical fest 'SAMAVARTHAN 2k14' by MVSR
- Secured 3nd place in Robotics event at 'TECHNOZION'14' at NIT Warangal
- Delivered presentation on 'Machine Learning'
- Secured 1st place in essay writing at high school level