Snehal Patil

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Objective:
Seeking an opportunity in Networking and Database Systems.

Skills:
Web Technologies: HTML/CSS/JavaScript, Node.js,
Programming Languages: C/C++, Perl, Python, Java, UNIX Shell Scripting, SQL, Verilog
Platforms: Windows, Linux and Mac OS X
Tools: Eclipse, Altera Quartus, Xilinx Vivado, Visual Studio, Github, Sublime Text

Education:
MS Computer Science GPA: 3.7/4.0, Santa Clara University, USA, **Sep 2015-Current**

BS Electrical Engineering GPA: 3.7/4.0, North Maharashtra Univ, India, **Jun 2006-Jun 2011**

Fundamentals of Computing GPA: Distinction, Rice University, USA **Sep 2015- Current**

Systems Programming GPA: 3.8/4.0, De Anza College, USA, **Sep 2014-Sep 2015**

Courses Completed:
Data Structures and Algorithms, Operating Systems, Computer Networks, Big Data, OOAD, Network Technology, Distributed Computing, Database, High performance networking

Experience:
Design Engineer **Nov 2011-Nov 2013**
Kuka Systems, Pune, India

- Troubleshoot PLC and data collection system software using Perl/Python
- PLC Programming for BIW (Body in White) line Industrial Robots
- Preparation of electrical circuit diagram using contactor logic in E-Plan-P8 software
- Created documentation website using Python Sphinx for Documenting test procedures.
- Implemented GUI's in Python/Perl for automation

Tutor **Jun 2015- Sept 2015**
DeAnza College, Cupertino, CA

- Tutor for C++ and Data Structures courses at DeAnza College

Course Projects:
Computer Networks (Tool: Eclipse, Language: Java): Implemented SFTP – Reliable Transfer over a Reliable/ unreliable channel with Bit Errors using TCP/IP and UDP. **Networking Protocols Familiar With:** QoS, VPLS/MPLS, DSLAM, DWDM, SONET/SDH, P2P, SIP, HTTPs, Cookies, etc.
Algorithms (Tool: Visual Studio, Language: C++): Implemented a Bank Operation using first come first server and Shortest job first algorithm, Minimum spanning tree**:** Program implements the minimum spanning tree using Kruskal's algorithm,
Computer Architecture (Tool: Altera Quartus, Language: Verilog): Implement the single cycle MIPS 32 CPU in Verilog
Big Data: Understand WEKA, HADOOP and SPARK frameworks by analyzing sample data and comparing them by characterizing processing time.
Object Oriented: Implemented Room-Escape Game in java using object oriented principles and created GUI using Java Swing.
Games for Programming Fundamentals: Built simple interactive applications like Rock-paper-scissors, Guess the number, Blackjack, Ping Pong in Python

References:
Upon Request

GitHub: http://snehal2288.github.io./ **LinkedIn:** www.linkedin.com/in/snehal-patil-29651542