NAGA VENKATA SAI INDUBHASKAR JUPUDI
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Education

May 2017   Master of Science: Computer Engineering (CGPA 4.0/4.0)
                University of California, Santa Cruz

June 2014   Bachelor of Engineering: Electronics and Communication Engineering (CGPA 8.81/10)
                University College of Engineering, Osmania University, India

Courses

Analysis of Algorithms, Open source programming, Programming languages (Haskell), Computer Architecture, Software Engineering, Digital design, C programming, Advanced Mathematics, VLSI system design, Control systems.

Skills

C, Java, HTML, Scala, Coq, Shell scripting, MatLab, VHDL, Proteus® 8.0, ATMEL® Studio 4.0, Microsoft Visual Studio 2010, Perf tool, Linux, VBA, Haskell, SOAP UI.

Work Experience

Graduate Student Researcher at University of California, Santa Cruz (March 2015 - present)
- Working for the project - Characterisation of persistent memory applications.
- Using micro benchmarks like fileserver, webproxy, webserver, varmail etc.
- Tools used are perf, pin.

Academic Grader at University of California, Santa Cruz (Oct 2015 - Mar 2016)
- AMS-7 (Statistical methods for Biological, Environmental and Health sciences) (Oct 2015 – Dec 2015)
- CMPE-110 (Computer Architecture) and EE80T (Modern Electronics Technology) (Jan 2015 - present)

NetCracker® Technology Solutions (Hyderabad, India) (Aug 2014 - Aug 2015)
Graduate Trainee
- AT&T Digital Life Project (Agile Model) (Quality Assurance)
- Rating and Billing Manager 9.0. (Core product of NetCracker®) (Quality Assurance)

Graduate Projects

Connect4 game using Scala Parallel primitives (2016)
Implemented Connect4 game in Scala programming language using minimax algorithm and used Scala actors and futures for implementing concurrent methods for improving the performance.

Related Project (Independent Project)

Automated Mailing System: (2015)
Implemented an automatic Birthday Reminder using VBA and a mail is sent by triggering a task using Windows task scheduler. This project is also applied to a webpage by reading the HTML data (daemon mode) using Java and sends a mail using VBScript and Windows task scheduler.

Undergraduate Projects

Automatic Speech Recognition: (2014)
Implemented this project in MatLab® using DTW algorithm and efficiency turned out to be 76% and also implemented Feature extraction in 'C' language using Microsoft visual studio 2010.

Intelligent line following robot: (2013)
Implemented this project using ATMEGA16 microcontroller and proximity sensors and the robot has an ability to follow the main original path instead of false intermediate paths.

CPU fan controller using Cypress® PSoC® 3.0: (2012)
Implemented this project by interfacing a temperature sensor to PSoC® 3.0 and feeding sensor's output to the PWM module thereby controlling the speed of the fan.

Scholastic Achievements

- Secured GATE (Graduate Aptitude Test in Engineering) rank of 5201. (2014)
- Secured EAMCET (Engineering Agricultural and Medical Common Entrance Test) rank of 343. (2010)