

## **RAGHUNATH BAHUNUTHULA**

14232, Shiloh Woods, Cambridge woods, Tampa FL – 33613, USA

Contact No: (813)-370-7065; email: [raghunathb@mail.usf.edu](mailto:raghunathb@mail.usf.edu)

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### **ACADEMIC QUALIFICATION**

#### **Bachelor of Technology (Electronics and Communications Engineering) [2012–2016]**

Rajiv Gandhi University of Knowledge Technologies (RGUKT), Nuzvid

CGPA: **8.62**

#### **Minor degree in Management studies [2012-2016]**

Rajiv Gandhi University of Knowledge Technologies (RGUKT), Nuzvid

Cumulative Grade: **A**

#### **Master of Science (Computer Science) [Aug 2016 - present]**

University of South Florida, Tampa (FL), USA.

CGPA: Still in my first semester

### **INTERNSHIP**

Intern, Microlink Peripheral Controls Pvt. Ltd., Vijayawada [May–July, 2015]

- Worked as project trainee engineer, coded microcontrollers to interface them with LEDs, LCDs and several sensors
- Studied the procedure for fabrication of printed circuit boards and studied its time-efficiency
- Designed control systems as per the company's requirements for various practical applications

### **RESEARCH PROJECTS**

#### **Title: Location Tracking using Trilateration and RSSI.**

- Location: Rajiv Gandhi University of Knowledge Technologies, Nuzvid
- Duration: August 2015–May 2016
- Team size: 3

Design of a security system that keeps tracking the object it is connected to and updating its location in the specified webpage through which the user can recover his belongings.

- Individual Role: Leading the team, coding and implementing the trilateration algorithm using Arduino IDE.

#### **Title: Establishment of a communication network during disasters using ESP8266 modules.**

- Location: Rajiv Gandhi University of Knowledge Technologies, Nuzvid
- Duration: August 2015–May 2016
- Team size: 3

Establishing a communication networks in the disaster hit areas to enable communication with other areas to be able to pass necessary information and receive help from them.

- Individual Role: Carrying out practical applications of ESP 8266 with different configurations, peripherals and networks

#### **Title: Control of home appliances using GSM & DTMF**

- Location: Microlink Peripheral Controls Pvt. Ltd., Vijayawada.
- Duration: May–July, 2015.
- Team size: 4

Design of a control system that enables the user to control his home appliances using a GSM mobile away from home

- Individual Role: Programming the microcontroller AT89S52 and interfacing it with GSM module and ULN 2003 IC

## **AFFILIATIONS**

- Volunteer at Career Development and Placements Cell (CDPC), RGUKT, since July 2015.
- Member of Student Development & Career Activities Cell (SDCAC), RGUKT - Nuzvid, since July 2014.
- Organizer in Entrepreneurship & Development Cell (ED), RGUKT - Nuzvid, since July 2013.

## **COMPUTER SKILLS**

- Software: Exposure to MATLAB, Xilinx, MultiSim, MS Office
- Operating systems: Familiar with Windows and Linux
- Programming Languages: C, basics of Java and Python

## **ACHIEVEMENTS AND AWARDS**

- Secured second place in the technical quiz conducted by SDCAC, RGUKT Nuzvid, September, 2014.
- Secured fifth place in RoboZest (a Robotics Competition conducted by IIT-Bombay), March 2014.
- Secured campus first rank in International English Olympiad, British Council, RGUKT Nuzvid, January 2012.
- Stood as Mandal topper in Secondary School Certificate examination and received medal of appreciation from Member of Legislative Assembly, Alamuru, May 2010.
- Awarded 'Innovative young mind' award, Jana Vignana Vedika, Alamuru, March 2009.
- Awarded merit certificate as the best performer in 16<sup>th</sup> Inter State Mathematics Competition, Ramanujan Mathematics Academy, Alamuru, April 2006.

## **CO-CURRICULAR ACTIVITIES**

- Designed the event 'Techno maze' as a part of 'Teckzite 2k15' national level symposium, RGUKT Nuzvid, March 2015.
- Delivered a presentation with a prototype on 'Congestion-based traffic control system', IIT-Madras, January 2015.
- Attended '9th International Colloquium on Theoretical Aspects of Computing', Bangalore 2012.
- Attended the Innovation in Science Pursuit for Inspired Research (INSPIRE) Internship camp on Applied Physics and Mathematics conducted by Department of Science and Technology, Government of India, SVRM College, Guntur, December, 2011.

## **EXTRACURRICULAR ACTIVITIES**

- Served as live webcasting engineer, Election Commission of India, Nuzvid, April-May 2014.
- Class representative, RGUKT Nuzvid, July 2013 to May 2014.
- Helping Hands representative, RGUKT Nuzvid, July 2012 to May 2013.
- Member of National Service Scheme (NSS), RGUKT Nuzvid, since January 2011.
- Captain of the school Kabaddi team, Sri Siddhartha High School, Alamuru, June 2008 to December 2009.
- Member of National Green Corps (NGC), Ministry of Environment and Forests, Government of India, Alamuru, June 2007 to April 2009.
- Organized fund raising event for The Institute for Training, Relief, Rehabilitation of Disabled, Distressed and Disinherited Children (ITRRODD), Sri Siddhartha High School, Alamuru, February 2008.