

ANAGHA BASOLE

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OBJECTIVE:

To obtain a full time job in the Electrical Engineering field in the Embedded System Design and Applications, Wireless Communications, Embedded Control areas.

EDUCATION:

• **Master of Science, Electrical and Computer Engineering (Embedded Systems), GPA 4.0**

UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE, Charlotte, NC

Graduate Coursework: Embedded Systems, Advanced Embedded Systems, Fundamentals of Wireless Communications, Data Communications, Embedded Wireless, Wireless Communications and Networking, Computer Architecture, Computer Research Tools & Techniques, Fundamentals of Reconfigurable Computing

Master's Project: "Wireless Communication Between Autonomous Vehicles" (Completion Dec 2008)

- Study and understanding the working of WLAN (IEEE 802.11)
- Study of Routing Protocols in WLAN for autonomous vehicles
- Create an application to communicate between two TS-7800 boards using WLAN techniques to emulate communication between autonomous vehicles.

Voice Controlled Programmable Remote Control (Completion Nov 2008)

- Implemented a Bluetooth enabled voice controlled programmable remote control using Renesas QSK62P
- Involved in the hardware design and programming using C to record, communicate and playback the remote control signals

• **Bachelor of Engineering, Electronics and Telecommunications, First Class with Distinction**

PUNE UNIVERSITY, Pune, India

Bachelor's Project: "Communication Using Secure Socket Layer (SSL)"(June 2006,Sasken Comm Ltd)

- Implemented a secure means of data, voice communication and instant messaging using Secure Socket Layer
- Involved in the study of SSL, implementation of a client server and instant messenger along with a GUI

Autonomous Phototropic Robot (June 2005)

- Implemented an autonomous light tracking robot with obstacle avoidance ability
- Involved in the concept, hardware design and writing in Embedded C code for the Atmel Chip.

TECHNICAL SKILLS:

Languages	C, Embedded C language, MATLAB
Software	Recessas Development Environment, OPNET under Linux and
Tools	Windows
Hardware	Recessas MC16P62C, TI MSP430, ARM Processor TS-7800

EXPERIENCE:

Present Student Assistant, College of Architecture, UNC Charlotte

Scanning and digitizing of slides and books in the College of Architecture Library

Spring Teaching Assistant, Department of Electrical Engineering, UNC Charlotte

2008 Digital System Design – Helping students in the laboratory

Student Assistant, College Of Architecture, UNC Charlotte

Scanning and digitizing of slides and books in the College of Architecture Library

2006- RF Engineer Trainee, Network Services Eng. & Planning, IDEA Cellular Ltd, Pune, India

2007 Responsible for GSM RF Planning & Optimization:

- Monitored & maintained major KPI's on BSC level
- Planned and surveyed new and fill in cell sites based on capacity, drive tests, customer complaints and competitor presence. Planned & surveyed IBS for various corporate customers

ACHIEVEMENTS: Excellence award for solving coverage & quality issue in the cluster, IDEA Cellular Ltd