

Resumé of

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Professional Objective

To pursue a career that will facilitate the utilization and development of my technical, leadership and interpersonal skills.

Education

Bachelors in Electronics Engineering (2003-2007) CGPA 3.02
National University of Science and Technology, Karachi - Pakistan

Major Subjects:

- Microprocessor Architecture
- Microcontroller Design
- Signals and Systems
- Feedback Control Systems
- Digital Signal Processing
- Electronic Devices and Circuit Theory
- Instrumentation
- Integrated Circuits
- Digital Communication Systems
- Fiber Optic Communication

GCE O & A Levels – The City School, Karachi - Pakistan 7 A's (O Levels)
3 A's (A Levels)

Experience

- Technical Intern at Mobilink GSM, Pakistan
 - Worked on cell planning to install new base stations to improve coverage and capacity
 - Gained experience working on several GSM planning and testing software such as AIRCOM Enterprise v5 (ASSET), TEMS Investigation and MapInfo Professional 7

Design Projects

- Studied the **behavior of electromagnetic waves** in air using maxwells equations (EM Wave propogation in light of Maxwells Equation)
- Completed a GSM Jammer project, which disrupts GSM communications in a given area by generating disturbance signals on downlink frequencies. (Senior Design Project) – Nominated for CNS Gold Medal
- Participated in the acclaimed National Engineering Robotics Contest (NERC) 2006, which aimed for an **automated, autonomous, indigenous robot**.
- Created a feedback control “**blimp altitude control**” circuit using dumb polling using a 8051 **microcontroller**, a DC motor and a ranger.
- Created a **interface card** between an 8051-based training board and a PC via parallel port interface which provided the board with an easier command interface.
- An **Automated Relative GPA Calculation Program** in C with a custom-created GUI

Management / Leadership Exposure

Developed management skills leading different projects at the University. Have also been involved in organizing several alumni reunions and sports tournaments.

Computer Skills

- MATLAB 7, **C**, VB 6.0, HTML, JavaScript, PHP, MySQL, **Microcontroller Programming (8051)**, Assembly, MultiSIM 8 Circuit Simulator.
- Windows, Microsoft Office, **Mac OS X, Linux**.
- Possess overall high aptitude and intuition with computers.

Awards / Achievements

- Was awarded a plaque at the O Levels convocation for outstanding academic performance
- Received **Honorable Mention Award** for developing a website for the IEEE Computer Society History Competition (**CHC60**)
- Created a PHP-based personal website (<http://www.absarshah.com>), and maintain a personal blog at <http://blog.absarshah.com>