KARTIK KAPADIA

Mobile: +91-9726-897680 | **Email**: kartik1499@gmail.com | **Website**: http://kartik-kapadia.com

Objective:

Masters in Computer Science/Software Engineering.

Education Summary:

Qualification Category	Specialization	School/University	Percentage/CGPA	Year of passing
S.S.C (X)	General	St. Xavier's High School, Surat	91.71%	2006
H.S.C (XII)	Science Stream (Physics, Chemistry, Maths)	St. Xavier's High School, Surat	86.4%	2008
Bachelor Of Engineering	Electronics & Communication	G. H. Patel College of Engineering. & Technology/Gujarat Technological University, India	9.12 CGPA(out of 10)	2012

Contributions/Achievement:

- Awarded the Central Scheme of Scholarship for College and University Students by Central Govt. of India as a result of excellent performance in H.S.C
- I was a part of the research project "Implementation of classroom response system using clicker devices" at Summer Internship 2011 (for which only 68 students were selected from all over India) under Computer Science Department, IIT-Bombay which contributed to the open source community.
- Awarded the Late Shri Dewang Mehta award for being the University Topper in August 2012.
- Presented a research paper on Microcontroller based Anesthesia Inject at SVNIT, Surat.

Academic Projects:

1. Terminal Automation System

Project Trainee | Advanced Systek Pvt. Ltd., Vadodara | July, 2011 – May, 2012

Terminal Automation System is all about automating all processes that are going on in the terminals of a Petroleum Company. In this, the whole process, right from issuing the filling advice note to the tanker to filling the tanker, is completely automated. Various parameters like average temperature inside the tank, density of the fuel, the level of fuel in the tank, etc. can be measured and controlled by developing an automated embedded system. This system tremendously reduces the processing time and maintenance of the tank inside the tank station/bay. The project was built on ATMEGA16 microcontroller, ultrasonic and temperature sensors and the user interface was designed in Visual Basic.

2. Implementation of Classroom response system using Clicker Devices

Research Intern | Indian Institute of Technology, Bombay | May, 2011 – June, 2011

The task was to enhance the first version of the personal response system device (PRS), also known as Clicker. Clicker version 2.0 was released with enhanced keyboard, USB interface, SD card interface, data transmission using AES encryption & decryption and audio transmission using I2S as its added features to enhance its functionality and increase its utility. PRS allows large groups of people to vote on a topic or answer a question. Each person has a device with which selections can be made. Each remote communicates with a computer via receivers located around the room or via a single receiver connected to the presenter's computer using a USB connector. After a set time – or after all participants have answered – the system ends the polling for that particular question and tabulates the results. Typically, the results are instantly made available to the participants via a bar graph or pie diagrams and displayed through a projector. The microcontroller used was CC2511 and technologies used include C, JAVA, MySQL.

Employment:

Assistant System Engineer | Tata Consultancy Services, Gandhinagar | June, 2012 – Present

Project Handled:

ITAS for URA offshore

This provides online taxation system for Uganda Government, AFRICA. It contains two applications Portal and ETax, having modules such as Payment, Refund, Returns, Debt Collection, Admin, Audit, Motor Vehicle Registration, Stamp duty and so on. I handle the entire Web-Portal application and also the interfaces such as Mobile Payment Gateway and Custom Agent Appointment.

Client: Uganda Revenue Authority
Technologies: JAVA/J2EE, JSP, JavaScript, JQuery, OC4J Server, Oracle 11g, Jasper Reports, Web Services.
Frameworks: Struts 1.1, Spring, BC4J

Role and Responsibilities:
- Involved in interaction about requirements with client and onsite team members.
- SRS & functionality aspects, screen prototypes, database design, functional specifications, business rules & validations.
- Designing the application and data intensive logic as per the three tier MVC Architecture.
- Developing system including JAVA, JSP, Forms & Reports, Database part which involves stored procedures & packages, triggers.
- Integrated Unit Testing, preparing User & System Manual.
- Handle internal Audit related activities for project.
- Involvement in project documentation work.

Technical Skills:

Software (Programming & Scripting Languages)	C, C++, JAVA/J2EE, Visual Basic, HTML, CSS, JavaScript, JQuery, SQL, JSP & Servlet, AJAX, MATLAB, PHP Basic, Android, Action Script, Excel Macro Programming
Hardware	Computer Networks, 8085 microprocessor, 8051microcontroller, ARM processor
Tools	Eclipse IDE, JDeveloper, Keil IDE for 8051 microcontroller, IAR Workbench IDE, SqlDbx, MATLAB 7, NI Multisim, Orcad (Pspice), Altera Quartus, SVN (Version Control Tool), PLSQL Developer
Operating System	Windows (7,8.1,Vista,XP), Linux (Ubuntu)
Frameworks	Struts 1.1, Spring Basic, Jasper Reports (Reporting framework), Hibernate Basic
Microsoft Office Software	Excel, Word, Access, PowerPoint
Database & Application Servers	Database : Oracle (10G & 11G), MySQL Application Servers : Apache Tomcat 5.5 & above, OC4J

Extra-Curricular Involvement:
- Event Manager at IMAZE-11, a national level technical symposium held at G. H. Patel College of Engg. & Technology.
- Chief coordinator of Audio Video committee for ICSSA (International Conference of Signals, Systems and Automation) jointly held by Electronics & Communication and Information Technology Departments of our college.

Personal Details:
- Date of Birth: September 14, 1990
- Gender: Male
- Nationality: Indian
- Languages known: English, Hindi, Gujarati.
- Marital Status: Single.

35, Nandanvan Society, Behind St. Xavier's High School, Ghod dod road, Surat. Pin Code: 395007