Address
Flat No.8, Katara Mansion
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Website
vickykatara.orgfree.com

Vicky Katara
Computer Engineering Graduate

Objective
Achieve excellence in the field of Computer Science through a Graduate course, while refining the ability of visualization and rationality of thought

Education

2009 - 2013, B.E.(Computer Engineering), University of Mumbai
Four year undergraduate course primarily focused on Computer Science.

- Majored in Computer Software. Minored in Computer Hardware / Electronics
- Courses taken include:
  - Computer Programming
  - Algorithms and Data Structures
  - Computer Networks
  - Database Management Systems
  - Theory of Computer Science
  - Operating Systems
  - Computer Graphics
  - Distributed Systems & System Security
  - Human Computer Interaction
  - Soft Computing
  - Image Processing
  - . . .
- The Degree course included a Research / Thesis topic in the Final Year.
- Passed out with 72.46% with Overall Distinction. Ranked 6 out of 130 peers.

2007 - 2010, Kishinchand Chellaram College
Majored in Science. Consistently stood in the first 5 ranks. Took up vocational subject of Electrical Maintenance

Work Experience

Jan 2014 – present, Technology Analyst, Deloitte Consulting
Information Management: Business Intelligence - Data Warehousing

- Recruited from Campus. Trained in Data Warehousing technologies particularly the Informatica platform
- Worked on short term Data Integration project for one of the leading visualization software companies in the world
- Currently working on a long term Enterprise Data Warehouse design and build project for one of the largest telecom service providers in the United States
- Working on numerous firm and community improvement initiatives
- Scored highest grade in Deloitte's Communication Excellence Assessment
- Received numerous awards and accolades
- Worked on massively scaled integration service deployed over a Hadoop cluster

May 2006 – present, Personal Tutor
Part time personal tutor to high school students

- Have taught more than 20 students, all between the ages of 14 and 19
- Subjects taught primarily include Mathematics and Physics

Projects

Design and Development of Enterprise Data Warehouse, Telecom Client

- *Technical Environment:* Informatica PowerCenter and Oracle PL/SQL
- *Industry:* Telecommunication
- *Role:* Enterprise Data Warehouse(EDW) Designer and Developer, EDW Tester
- *Team Size:* 11
- *Description:* As part of this team, I designed parts of the Dimension model as a Star Constellation. The development team, of which I was a part, helped develop Informatica Mappings and associated Workflows to perform the Extract, Transform and Load process to populate the data warehouse. I was also part of the Enterprise Data Warehouse testing team which validated the EDW.

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Projects (continued)

Enterprise Data Integration, Visualization Software Client

- *Technical Environment:* Informatica PowerCenter and Oracle PL/SQL and Integrated Web Services
- *Industry:* Technology / Software
- *Role:* Enterprise wide Data Integration System Developer, Deployment co-ordinate
- *Team Size:* 31
- *Description:* As part of this project I designed and built mappings using Informatica PowerCenter. I was also responsible to reverse engineer some interfaces and Informatica Workflows.

Design, Development and Deployment of Personal Website

- *Technical Environment:* HTML / JavaScript / CSS / Wordpress
- *Description:* This was a personal project where I designed and developed a personal website which I then deployed at *vickykatara.orgfree.com.* I also added content to the website under the three different categories of Technology, Football and Cars & Planes.

Analysis of Atomicity for Multithreaded Programs, B.E. Research Project

- *Technical Environment:* Java™, Swing
- *Team Size:* 3
- *Description:* This was my final year research project. Through this project we described two algorithms for runtime detection of atomicity(serializability) violations and compared their cost and effectiveness. Experiments showed that both algorithms were effective in finding atomicity violations. One of the algorithms was more accurate, but had a large overhead. The other algorithm was considerably more manageable at the cost of accuracy.

  As part of the project, we had to prepare a thesis and present our findings to panels of experts on three different occasions.

Automation System - Design and Development

- *Technical Environment:* Java™, Microsoft©Excel, jXL /*plugin*/ for Java
- *Industry:* Telecom
- *Role:* Java Developer, Tester and Deployer
- *Team Size:* 1
- *Description:* This was a freelance project that I had taken up during my undergraduate studies. I automated a cumbersome manual process involving integration of data from disparate sources including multiple Microsoft©Excel workbooks and a HTTP Web Service by building an application running in the Java™environment.

Development of Mini-Tennis Game

- *Technical Environment:* GCC(along with built in graphics libraries)
- *Team Size:* 2
- *Description:* This was a mini-project as part of the subject of 'Computer Graphics' in the 2nd year of Engineering. The project was built completely using the *'graphics.l'* library of GCC. This game was built in a retro style and ended up being similar to the paddle based tennis game found on the SuperNintendo gaming console from the 1990s.

Skills

Programming Languages

C/C++, Java, PL/SQL, HTML, CSS, JavaScript, VisualBasic

Operating Systems

Microsoft Windows(98/XP/7/8), Linux, Android, Mac OS X

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Skills (continued)

Certifications

Oracle Certified Java SE6 Programmer(scored 93 %)

Applications

Informatica PowerCenter, SQL Developer, Toad, Adobe Photoshop, NetBeans, VMWare, Oracle Hyperion, IBM Cognos Report Studio

Awards and Achievements

Awards

○ Received SPOT Award while working with Deloitte Consulting
The award was for outstanding contribution towards the client service engagement, the firm and the Information Management practice overall. I was one of the few employees to recieve the award in their first year of work with the firm.

○ Received Student of the Year Award on graduation from High School(10th Grade)
This award was given citing consistent and outstanding academic record through all years of high school, significant contribution in Academic events, representation and success for the school at interschool events, and extraordinary representation at cultural and extracurricular events

Achievements

○ Conducted workshops on Programming with Java™

This workshop was conducted on behalf of one of the societies at my undergraduate university. The workshop was intended for peers who were inept at Java™. This workshop was a multi-day event covering topics from basic syntax, control structures, classes, Applets and using APIs.

○ Won prize at a Programming Competition

This was a state level competition held at my undergraduate college. The competition saw participation of over 200 programmers from all over the state. The competition involved writing the programmatic solution to one of the given set of problems. Each solution was compared in terms of complexity, execution benchmarks, coding standards and lines of code.

○ Level 2 member On ProjectEuler.net

ProjectEuler is an online forum for mathematical problem solving. The solutions to these problems are more often than not a program written in the language of choice. I have solved over 70 problems on this forum which ranks me among the top 200 users from my country.

Additional Information

Community Service

○ Personal tutoring to students from impoverished backgrounds
○ Regularly participate in Animal welfare campaigns in and around Mumbai
○ Helped spread awareness and participated in cleanliness campaigns in impoverished tribal localities

Extracurricular Activities

○ Elected Event Head for treasure hunt event organized By TSF
○ Selected science project group leader at the inter-school level
○ Appointed House Captain for two academic years in High School

Hobbies and Interests

○ Playing Football(Soccer)
○ Solving problems on Plane Geometry
○ Mathematical / Algorithmic Programming and Puzzle Solving
○ Blogging