UMANG KETAN SHAH

Software, Web and Beyond.

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EDUCATION:

M.S. Computer Science, The University of Texas at Dallas.   **(Expected May 2018)**

B.E. Computer Engineering, Dwarkadas J. Sanghvi College of Engineering (DJSCE), Mumbai, India

GPA: 8.57/10 ≈ 3.6/4.0   **(May 2016)**

Diploma in Computer Technology. VES Polytechnic, India. **Second Rank. 85.42%**   **(May 2013)**

RELEVANT COURSES:

Design and Analysis of Computer Algorithms **(Fall 2016)**

Searching, Sorting, Divide and Conquer, Dynamic Programming, Greedy Algos, Graph Theory, NP Completeness.

Web Programming Languages **(Fall 2016)**

Data Structures **(Fall 2013)**

Learned about Stack, Heap, Queues, Dequeues, Linked lists, Circular, Doubly Linked Lists and Binary Trees.

SKILLS:

Programming Languages: Java, C, Python, C++, ASP.NET, C#

Web Development: PHP, Javascript, HTML, CSS, Jquery

Database Technology: MYSQL, MS Access, Oracle

Proficient in implementing and applying Algorithms and Data Structures

Apart from these I have worked with TCP/IP Socket programming, Ajax, JSP, ASM, MATLAB, R, Hadoop for various college courses and can also pick up new technologies very quickly.

EXPERIENCE:

Software Development Intern – Passout.co.in Developed tools like College Locator, Course Finder using PHP, MYSQL and Code Igniter, also developed an Android app using WebView.   **(Jan 2015 – Apr 2015)**

ACADEMIC PROJECTS:

Pose Independent Face Recognition – Final Year Project PCA was used to extract facial features, which was used for generating a front face view of the person using 3D transformation and an SVM Model was trained to classify person's faced. Chosen in top 10 for Project Competition DJASCII 2016.   **(Jul 2015 – Apr 2016)**

Trip Cost Calculator Developed with Javascript, PHP and MYSQL, and using Google maps API finds the route to give the fuel cost for a trip.   **(Jul 2014 – Dec 2014)**

Web-cam Surveillance System A project in Java which utilized multi threading to run and record parallel video streams from multiple web-cams.   **(Dec 2013 – Feb 2014)**

AWARDS & ACHIEVEMENTS:

Third Place, **Richardson Community Hackweek.** Our solution was recognized by Officials at Statefarm and the city of Richardson including the mayor. We aimed to improve roadway safety by employing an RFID sensor network. Priority queues were used to record traffic and detect red light violators using a timestamp based algorithm.   **(Sep 2016)**

Second Place, Engineer's Day Project Competition. Developed an inventory management system which used *l*inked lists to keep track of ordering patterns for restocking.   **(Sep 2012)**

PUBLICATIONS:

An incisive study of the Naive Bayes Classifier and Decision Trees C4.5 and CART for the Diagnosis of Diabetes in the IJIACS ISSN 2347 – 8616 Vol. 4, Issue 9 (2015), pp 23-26.   **(Sep 2015)**

ACTIVITIES:

Member of Codewarmers, Programming club at The University of Texas at Dallas. Solving problems to improve problem solving skills and write better code.   **(Aug 2016 – present)**

Core Committee – Inter College Festival Trinity (DJSCE) Overall planning and organization of the Event, managing large teams, also served as head of IT. Website, Online quiz and Android App saw an amazing response.   **(Oct 2014 – March 2015)**

Head of Information Technology Department – ACM Student Chapter (DJSCE) Lead a team of 6 to develop Website, Android app and Online Coding Contest. Also conducted and taught PHP in a workshop.   **(Aug 2014 – Apr 2015)**