SHREYAS GAONKAR

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http://www.shreyasg.com/   https://github.com/shreyasgaonkar

EDUCATION

University of Illinois at Chicago (UIC)   Expected May 2016
Master of Science in Computer Engineering
GPA: 3.67/4.00
Related Coursework: Computer Algorithms, Software Engineering, Development of Mobile Apps and Advanced Computer Architecture.

Mumbai University, Mumbai, India   August 2014
Bachelor of Engineering in Electronics Engineering
GPA: 3.55/4.00
Related Coursework: Web Development, Embedded Systems and Front End VLSI Module.

SKILLS

Programming Languages: HTML, CSS, ASP.NET, Bootstrap, SASS, JavaScript, JQuery, C, C++, VHDL, Verilog and (currently learning) Python & AngularJS.
Programming Software: Microsoft Visual Studio, FileZilla, WinSCP, MATLAB & Proteus.
Designing Software: Adobe Suite – Photoshop, Illustrator & Lightroom.
Other: Microsoft Office Suite – Word, Excel, Access and PowerPoint; AWS, SEO & GitHub

RELEVANT EXPERIENCE

College of Medicine, University of Illinois at Chicago   October 2014 - Present
Graduate Student Associate (www.chicago.medicine.uic.edu/)
- Web content developer for College of Medicine's website.
- Worked on Adobe Photoshop & Illustrator for designing brochures, banners and logos.
- Maintenance of office networks, printers, computers etc. and general office aid.

Mote, CollegeLife LLC   May 2015 - August 2015
Summer Intern – Lead Web Developer (www.motelife.co/)
- Led a small team of Web Design and Development for a startup company, CollegeLife LLC.
- Entirely responsible for design, development and deployment of the website.
- Worked with HTML, CSS, JavaScript, Bootstrap, GitHub, Amazon Web Services & Photoshop.
- Completed UX/UI for Mote Mobile App.

Chitramandaar.com   February 2013- February 2015
Web Development & Online Presence (www.chitramandaar.com)
- Designed, developed, deployed and managed website for Chitramandaar.com.
- Managed web analytics, online social media and optimized search engine page rankings.

Vidyalankar Institute of Technology   August 2011 – March 2013
Website – Design, Maintenance & Live-Streaming
- Implemented Live Stream feed of the annual college festival on College's website in a team of 2.
- Developed and maintaining college annual festival website in HTML and CSS.

OTHER EXPERIENCE
ThinkLabs, SINE, IIT-Bombay   January - February 2013
Intern
- Studied in-depth about most common ATmega microcontroller architectures.
- Designed liquid level sensors used in chemical industries to keep the liquids under check.

TECHNICAL PAPERS
- Co-Author - Design, Modeling and Implementation of 8-bit processor for Intelligent Automatic Chocolate Vending Machine (AVM) in International Journal of Computer Applications.
  (ISBN: 973-93-80880-67-5)
- Co-Author - Easy Go Automated Toll Collection System using RFID backscattering and Cloud Based Server. (ISSN 2278-1722)

PROJECTS
- Websites designed and maintained –
  o www.techweekends.in
  o www.motelife.co
  o www.chicago.medicine.uic.edu
  o www.shreyasg.com
- Efficiency of TCP-only & UDP-only in terms of Packet loss in a wireless multi hop network using Tcl programming. TCP being more robust, has more efficiency as compared to UDP protocol.
- MATLAB based project aimed at implementing the Karhunen-Loeve (KL) transform for face detection and recognition.
- Image Analysis Project for Image Enhancement and filtering by removing various noises from the image to improve its details and lost contents.
- Automated Toll Collection System (ATCS) with RFID backscattering and Cloud based server – an alternative to the manual toll collection system by making use of in-expensive but robust RFID technology working on a server to track recent records and bill payments.
- Chocolate Vending Machine which instantly prepares the desired chocolate flavor using various ingredients, agitating and producing the chocolate when entered right amount. The processor used 5 stage pipelining techniques to improve the throughput. Project was coded in Verilog and produced RTL Schematics, Test bench waveforms and HDL Synthesis report for each block.
- Embedded system based device which detects liquid level from a tank and displays the current liquid levels. It was designed to keep in mind about the chemical plants where keeping the liquids in check is critical. The device also signals the level with easy to visualize LED patterns and on the respective screens. It also triggers alarm when the level goes out of the "safe zone".
- Microcontroller Based Morse Code Encoder was designed with 89C51 microcontroller and we designed and fabricated the PCB and used the component which converts the user entered string into a Morse code using a small speaker.
- Designed a USB powered keyboard lamp that runs on a 5V USB supply which can produce enough power to work late nights on computer and automatically adjusts the brightness on the ambient light settings.

COMMUNITY SERVICE
Volunteer at Cancer Patients Aids Association, Mumbai   September 2013 – May 2014

EXTRA CURRICULAR
- Product Photographer – Amazon India   June 2014
- Music Head at Vidyalankar Institute of Technology   July 2012 – May 2013
- Member of IEEE Committee   July 2011 – May 2012
- Plays Guitar and Keyboards.