

Siddhant Sudan

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Education

- **Masters in Computer Science** | Aug 2017-May 2019 | Arizona State University, Tempe, AZ
 - **Major:** Computer Science
 - **Related coursework:** Mobile Computing, Semantic Web Mining, Software Requirements and Specification
- **B. Tech. (Bachelor's), Computer Science and Engineering (CSE)** | July 2011-May 2015 | Vellore Institute of Technology, Vellore (Tamil Naidu) - India
 - **Major:** Computer Science **CGPA- 8.06/10**
 - **Related coursework:** Computer Programming and Problem Solving, Programming Fundamentals, Data Structures and Algorithms, Algorithm Design and Analysis, Operating System, Internet and Web Programming, Software Engineering, Cloud Computing, Data Warehousing and Data Mining.

Technical Skills

- **Languages:** Python, C/C++(Beginner), C#(Beginner), HTML(Beginner), CSS(Beginner), JavaScript(Beginner).
- **Packages:** Scikit-learn, Pandas, NumPy, AngularJS.
- **Software's:** Ranorex Test Automation Suite, Microsoft BizTalk Server and Octave.
- **Operating System:** Mac OS and Windows.

Work Experience

- **Software Developer| Sapient Global Markets | July 2015 – July 2017**
 - Worked for a Fortune 100 oil and gas company to automate business processes for a particular business unit by posting inspection invoices from Navarik (cargo inspection management software) to SAP directly, so that the accountants need not manually enter the accounting data in SAP-FI module (deals with managing financial accounting). Technology used - Microsoft BizTalk Server, C#.
 - Worked for a Chicago-based hedge fund which is one of the world's largest alternate asset managers with more than US \$ 25 billion in assets under management and is also one of the leading market makers in the world. Working on automating end to end flow for trade entry and validation of the trades for different financial instruments (interest rate swaps) so that trades do not have to be created manually and then validated by quality analysts. Technology used - C#, Ranorex, .NET(Beginner).

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Work Experience (continued)

Intern| Sapient Global Markets | Jan 2015 – July 2015

- Got training in C#.
- Was given financial training covering topics such as investment banking, economic markets, equity markets, bond pricing, derivatives, forwards, futures, swaps, trade lifecycle and risk management.

Online Courses and Projects

- **Price Comparison Website**
 - Website gets data via API's from various e-commerce sites like Amazon (for test purpose it gets data from Amazon but it can be extended to other e-commerce sites) and displays the products for the user. User can filter according to price and brand type and sort according to price.
 - Code written using HTML, CSS, JQuery and AngularJS.
- **Machine Learning by Andrew NG on Coursera**
 - Familiar with Supervised Learning, Linear Regression, Logistic Regression, Neural Networks and Support Vector Machines.
 - Familiar with Octave.
- **Spam Classification using Support Vector Machine**
 - Built a spam classifier using SVM which tags SMS text messages as SPAM or HAM.
 - Used dataset from UCI Machine Learning Repository.
- **Image Compression using K-means**
 - Performed image compression using K-means algorithm by selecting 16 most prominent colors in the image.

Extra-Curricular Activities

- Member of National Service Scheme (NSS). NSS is a voluntary association of young people in Colleges, Universities and at +2 level working for a campus-community linkage.
- Contributed by devoting time to help young orphan children in an orphanage to improve their computer skills during my summer vacation from May 2010 to June 2010.
- Helped develop English writing skills for the young children of the soldiers serving with the Indian Army during my summer vacation from May 2009 to June 2009.
- Blogging. Created a blog on automobiles and technology named **TECHNOLOGY WORLD** (<http://www.ourcarworld.blogspot.com>).