

SIDDHANT SUDAN

DOB: 20th July 1993

Address: Flat No. 1168, Sector 37, Noida (District Gautam Budh Nagar) - 201303 (Uttar Pradesh), India

Mobile: +91- 89397 36790

E- mail: siddhant.sudan@yahoo.co.in

EDUCATIONAL QUALIFICATIONS

- **BTech, Computer Science and Engineering (CSE)** from Vellore Institute of Technology, Vellore (ABET Accredited): **2011 to 2015 - C.G.P.A 8.06 (On a scale of 10).**
- **Grade 12** - All India Senior School Certificate Examination from Army Public School, Sector 37, Noida - 201303 (Uttar Pradesh), India, (Affiliated to Central Board of Secondary Education (CBSE)): **2011 - Scored 82.3%.**
- **Grade 10** - All India Secondary School Examination from Army Public School, Sector 37, Noida - 201303 (Uttar Pradesh), India (Affiliated to Central Board of Secondary Education (CBSE)): **2009 - Scored 88.7%.**

WORK EXPERIENCE

Software Developer, Sapient Global Markets, Gurgaon (Haryana), India (July 2015 – Till date):

- 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, SQL Server, .NET, C#.
- Currently working 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 - .NET, C#, Ranorex.

Trainee, Sapient Global Markets, Gurgaon (Jan 2015 - July 2015):

- Got training in Microsoft's .NET framework and C#.
- Was given financial training covering topics such as investment banking, economic markets, equity markets, bond pricing, derivatives, forwards, futures, swaps, trade life cycle and risk management.

Intern, Siemens, Gurgaon (May 2012 - July 2012):

- Was engaged in debugging and finding bugs in the code written in Java.

ACADEMIC PROJECTS

Intrusion Detection System (Final year project):

- Created a prototype which detects intrusion with the help of IR sensors placed on an electronic board and gives the intrusion notification on an android app via Google Cloud Messaging (GCM). It consisted of the following components : -
 - Electronic Module - Consisted of Arduino board with IR sensors and Ethernet shield mounted on top to help it connect to the remote server. Programmed the Arduino hardware board using C.
 - Web Module - Runs the remote web server (on computer). This module would be mainly responsible for processing operations from the electronic board and the commands being received from the remote mobile handset via GPRS.
 - Mobile Module - Consists of android mobile application developed using Java with which one can switch on/off the IR sensors remotely and receive intrusion notification.

- GCM Module - Through GCM the electronic board sends intrusion signals to the android device which displays notification when an intrusion occurs.

Part of Speech Tagging, Data Warehousing and Data Mining:

- Part of speech tagging is the task of assigning correct parts of speech for a sequence of words.
- Used Corpus of Contemporary American English (COCA) as training data set which contains tagged parts of speech for more than one million tags.
- Implemented the supervised learning approach by stochastic tagging approach (Hidden Markov Model).
- Code written in PHP, JavaScript, JQuery, HTML and CSS.

COURSE CURRICULUM

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| ➤ Computer Program and Problem Solving | ➤ Operating System | ➤ Internet and Web Programming |
| ➤ Programming Fundamentals | ➤ Microprocessor and Interfacing | ➤ Software Engineering |
| ➤ Digital Logic | ➤ Computer Architecture and Organization | ➤ Data Warehousing and Data Mining |
| ➤ The Object Oriented Paradigm | ➤ Theory of Computation | ➤ Computer Graphics |
| ➤ Data Structures and Algorithms | ➤ Artificial Intelligence | ➤ Programming Language Translators |
| ➤ Algorithm Design and Analysis | ➤ Embedded System | ➤ Cloud Computing |
| | ➤ Database System | |

TECHNICAL SKILLS

- Languages - C/C++, C#, SQL, HTML, CSS and JavaScript.
- Operating Systems - Mac OS X and Windows.
- Softwares - Ranorex Test Automation Suite and Microsoft BizTalk Server.

ACHIEVEMENTS

- Secured rank amongst the top 7% of the students out of a total of 160,000 students who appeared for the exam, for Vellore Institute of Technology (VIT) Engineering Entrance Exam.
- Got an invite as a blogger to Asus Zenfone 2 launch event held in Gurgaon (Haryana), India.

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>).