

**SIDDHARTHA SAHAI**

Course : M.Sc. (Tech), Information Systems

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CGPA : 7.09

**ACADEMIC DETAILS**

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	% CGPA	YEAR
XII	Science	Centre Point School, Nagpur	CBSE	95.2	2012
X	General	Jamnabai Narsee School, Mumbai	ICSE	87.7	2010

ELECTIVES/TECHNICAL PROFICIENCY

Electives	Network Programming, Data Mining, Graphs And Networks
Technical Proficiency	Javascript, Nodejs, Angularjs, C++, Python, Java, RESTful API practices, design patterns, MongoDB, Cassandra, Open Source

SUMMER INTERNSHIP/WORK EXPERIENCE**SAP Labs, Bangalore****Jul 2015 - Dec 2015**

Worked on the Business Intelligence server platform for Business Objects. Worked in large Java and C++ codebases.

- optimized garbage collection in SAPJVM using ParallelOld GC and G1 GC algorithms
- increased log upload speeds for the logging server - reduced time for uploading a million rows from 2.5 hours to 15 minutes

Also worked with a separate team to create a mobile app to help SAP employees find free parking slots quickly.

- built a hybrid app using the Ionic framework and Google Maps APIs connected to hardware sensors for a real-time android app
- showcased the app to senior SAP management. It will be deployed for use in SAP Labs, Bangalore campus

Innovaccer**May 2015 - Jul 2015**Created a link discovery and sharing platform for enterprises, to help teams share and discuss links efficiently. [bit.ly/1NZcFJZ]

- discussed, ideated and designed the product from scratch and led a team of 3 developers to build all features within 1.5 months
- built a personalized newsfeed with support for parsing RSS feeds using Python and Cassandra. Used cron for scheduling parsing
- created features of a social network (like groups and profiles) in AngularJS and Flask. Used socketIO for realtime commenting

Freelance**Aug 2014 - Oct 2015**Worked on many projects on Topcoder and Elance/Upwork for various clients. Topcoder: bit.ly/1UgFTI4 , Upwork: bit.ly/1JJrv5z

- RESTful API integrations and complex UI interactions eg nested file folders drag-drop, local storage sync etc
- Asynchronous control flow using promises
- Token system for multi-signature Bitcoin wallet

PROJECTS**Parallel Downloader in Python****Nov 2014 - Feb 2015**

Built a peer-to-peer distributed downloader in Python which downloads files by splitting byte ranges of HTTP headers between multiple threads on multiple LAN clients to download files faster concurrently.

Realtime Data Processing using Apache Storm for Credit Card Fraud Detection**Jan 2015 - Mar 2015**

Designed a distributed framework using Apache Storm topology. Used outlier detection to identify suspicious transactions based on time and geolocation.

APOGEE 2014 Website**Dec 2013 - Feb 2014**Developed the first 3D website for any college fest in India. Used three.js and concepts of ray tracing and trigonometry [bits-apogee.org/2014]**POSITION OF RESPONSIBILITY****Secretary, Dept. of Visual Media****Aug 2014 - May 2015**

Handled the finances and internal working of the department. Managed the workforce for different projects and coordinated work with other departments. Ensured timely completion of websites and videos for cultural and technical fests.

Activities Chair, BITS ACM**Aug 2014 - May 2015**

Planned and conducted technical and quizzing events, and mentored and contributed to projects initiated by members.

ACHIEVEMENTS AND AWARDS

Qualified to the Topcoder Open 2014 in San Francisco, USA for an all-expenses paid trip to compete in the TCO14 API Hackathon. (the Topcoder Open is a premier programming event seeing participation from top competitive programmers and developers across the globe)

2014

- finished in the top 5 in the hackathon and won 'Best Use of Facebook API' - a \$1000 prize

Won Microsoft's Code.Fun.Do hackathon held in BITS Pilani, beating over 40 other teams.

2014

- conceived an original app idea that gamified Facebook data of users and successfully developed all features within 2 days
- went on to finish in the top 5 in the all-India Finalists Forum which saw participation from 45 other winning teams from IITs

Won first place (\$1500) in an online Topcoder hackathon using HP IDOL big data analysis APIs. [bit.ly/1JeeVAu]**2015**

- ideated, developed and documented an app to scrape Wikipedia and Twitter to perform sentiment and wordcloud analysis [bit.ly/1UkJ15I]

EXTRA CURRICULAR ACTIVITIES

I've been playing guitar since 6 years and played onstage for cultural association nights.

2012