

SWAPNIL S. MAHAJAN

I-314, Hall 7, IIT, Kanpur (UP) 208016 • (+91) 9198060901 • swapnilm@cse.iitk.ac.in

EDUCATION

Master of Technology in COMPUTER SCIENCE ENGINEERING, Indian Institute of Technology , Kanpur	APRIL 2014 CGPA: 7.14
Bachelor of Engineering in COMPUTER ENGINEERING, Maharashtra Institute of Technology COE , Pune	MAY 2011 PERCENTAGE: 68.57
HSC (State Board) Nutan Uchcha Madhyamik Vidyalaya , Chinawal, Maharashtra	FEBRUARY 2007 PERCENTAGE: 85.33

RELEVANT COURSES

- Software Architecture • Topics in Object Oriented Language Implementation • Computer Networks
- Cryptology • Design and Analysis of Algorithms • Computer and Network Security

TECHNICAL SKILLS

Programming Languages:	Good: JavaScript, C++, Python Medium: Java
Web Technologies:	Good: JavaScript (core), NodeJS, HTML5, CSS3 Medium: AngularJS
Frameworks:	SailsJS, Play (Java)
Databases:	MySQL, MongoDB, Memcached
SDE / Project Mgmt. Tools:	Eclipse, GIT

RELEVANT EXPERIENCE

Software Engineer Kpoint Technologies Pvt. Ltd. , Pune	JUL 2011-Nov 2012
<ul style="list-style-type: none">• Developed HTML5 kapsule player using core JavaScript for product – kPoint, a tool for sharing knowledge and content in live meetings in the form of video, documents, desktop contents, multimedia files• Designed and implemented Representational State Transfer (REST) APIs for product kPoint• Designed a responsive mobile website for product	
[Core JavaScript, REST APIs, PHP, HTML 5]	

PROJECTS

Highlights Autogen – Yahoo HackU Winner	AUGUST 2013
<ul style="list-style-type: none">• This app extracts the highlights of a sports match video based on the audio features.• To be specific, it processes the audio signal and based on the excitement levels of the commentators and spectators, comes up with simple rule based segmentation to detect events.	
[HTK Lib, Python, Bootstrap]	
Pigeon: Ad Network	JAN 2014 - APR 2014
<ul style="list-style-type: none">• The key function of an ad network is aggregation of ad space supply from publishers and matching it with advertisers' demand.• For faster advertisement selection and serving, following techniques were used: Load-balancing, NoSQL DB, DB Replication, In-Memory DB, DB Schema Optimization, AWS	
[SailsJS Framework, MongoDB, Memcached, AWS, Bootstrap]	

Air Quality Index: Central Pollution Control Board, India

MAY 2014 - JUNE 2014

- Spatiotemporal visualizer, which would give real time information of air quality aiming to create awareness about air quality in various cities.
- Challenges faced were dealing with huge dataset and creating normalized information on-the-fly for the AQI values.

[Play Framework, AngularJS, Bootstrap]

Buzzer

JANUARY 2014

- Sentimental Analyzer and Visualizer for products as well as people
- It aims to determine attitude of people about some product or a person based on their social posts regarding the same
- It shows this sentimental analysis information in a spatial form on the map. This helps determining attitude of people in a particular vicinity about the product/person.

[Windows Phone APIs, Python, Flask Framework, Bootstrap]

HONORS

AUGUST 2013	Winner HackU (Hackathon) by Yahoo Research and Development Labs
JUNE 2013	Selected as Scientific Engineer at Bhabha Atomic Research Centre (BARC)
JAN 2012	Awarded "Pat-on-the-Back" while working at Kpoint
1999-2004	Secured State Level Merit Ranks in Various Scholarship Exams

COMPITITIVE CODING ACHIEVEMENTS

OCTOBER 2014	Secured 71st Global Rank in Codeforces Round 275
JUNE 2014	Secured 74th India Rank in Expansion Challenge by HackerRank
SEPTEMBER 2014	Secured 93rd India Rank in CodeSprint 2014
MAY 2014	Qualified for 1st round of CodeJam

POSITION OF RESPONSIBILITY

Accounts Secretary:	MAHARASHTRA MANDAL 2014-15 <i>Organisation of Marathi Students, Faculty and Staff</i>
Organiser:	TESLA 2010, National Level Technical Event, MIT COE
Organising Committee Member:	ROBOCON 2008, ABU Asia Pacific Robot Contest, Pune

WEB PRESENCE

LinkedIn: in.linkedin.com/in/swapnilsm/
HackerRank: www.hackerrank.com/swapnilsm