PRATEEK SACHDEV

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LinkedIn Profile

EDUCATION

2011-2015 (Expected)	B.Tech in Computer Science and Engineering International Institute of Information Technology (IIIT), Hyderabad. CGPA: 8.32/10 (Major)
2011	Senior Secondry, Campion School, Bhopal (MP), 92%
2009	Secondry, Campion School, Bhopal (MP), 87.2%

EXPERIENCE

Software Engineering Internship, LinkedIn	May'14	Jul'14
Teaching Assistant, Game Theory, IIIT Hyderabad	Aug'14	Dec'14
Teaching Assistant, Computer Networks, IIIT Hyderabad	Jan'14	Apr'14
Teaching Assistant, SSAD and Project, IIIT Hyderabad	Aug'13	Nov'13
Summer Intern, Virtual Labs, IIIT Hyderabad	Mar'13	May13

PARTICIPATION AND ACHIEVEMENTS

ACM ICPC	Finished 35th as a team in ACM ICPC South Asia regionals, Amritapuri 2012-13 out of over 1800 teams.
Codechef	Have been in top 20 in codechef monthly programming contests. Handle: n3rd
Programming	Solved more than 130 problems on SPOJ(handle: prateek_s), more than 150 problems on Codeforces (handle: n3rd, max-rating: 1733, current-rating: 1626, India rank: 466 out of 2650 coders).
Hackathon	Finished 5th as a team in Microsoft Buisness of Api's Hackathon with over 40 teams participating from all over the world.
MIT Media Lab	Selected to attend a 5-day Design-Innovation Workshop organized by the MIT Media Lab held in January 2013 at Bangalore .
AIEEE	Secured All India Rank 2,771 in the All India Engineering Entrance Examination out of around 13 lac students
IIT - JEE	Secured All India Rank of 7,316 in Indian Institute of Technology Joint Entrance Exam (IIT − JEE) 2011 given by around 0.5 million students from India.

PROJECTS

- **Automated Summarization Engine:** An automated system employing extraction-based summarization to identify sentences in a document that contain most important information and create a coherent summary.

- **Personalized News Recommendation Engine:** Implemented a news recommendation system which considers the exclusive characteristics (e.g. news content, access patterns, named entities, popularity and recency) of news items to recommend relevant articles to a user.

- **Cyber-Security Game design**: Modeled a network of ~20 computers as a graph. The system would diagnose the most critical nodes and suggest the player necessary steps to save the network from a crash.

- **Real time trending** : Worked on real time analytics tools: Spark-streaming and Storm-trident, to calculate real time trending topics from Slideshare stream data.

- **Document de-duplication** : Explored several techniques like Shingling, Minhashing and Locality sensitive hashing to compute similarity between specified documents from a large corpus.

- **Mini DBMS** : Implemented a toy Database Management system which would output the result of user-generated queries including Two phase merge sort, Sort Merge Join, Cost estimation for Join. It also supported SQL queries including Select, From, Where and GroupBy queries.

TECHNICAL SKILLS

Operating Systems	Mac OS X, Linux
Programming/ Scripting	GNU C/C++(STL), Python, Lisp(Scheme)
Database	MYSQL
Web	Web 2py, Drupal, HTML 5, CSS, CSS3, Javascript, PHP, JQuery
Editors / IDE's	Vim, Eclipse, Xcode, Sublime Text
Libraries	OpenGL, Cuda
Versioning	Git

I hereby declare that the above information is correct to the best of my knowledge.
(End of Curriculum Vitae)