

Sachin Garg

PERSONAL DATA

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EDUCATION

JUNE 2015 Bachelor of Technology in ELECTRICAL ENGINEERING
Indian Institute of Technology, Delhi | GPA: 8.343 / 10.0
MARCH 2011 CBSE All India Senior School Certificate Examination
Indraprastha Convent Public School, Delhi | PERCENTAGE: 92.20%
MARCH 2009 CBSE All India Secondary School Examination
D.A.V. Centenary Public School, Jind | PERCENTAGE: 97.80%
ALL INDIA RANK 4

TECHNICAL SKILLS

PROGRAMMING LANGUAGES: Java, Python, JavaScript, PHP
WEB TECHNOLOGIES: HTML5, CSS, Nodejs, AngularJS, ReactJS, MongoDB, SQL, Redis
FRAMEWORKS / SOFTWARES: Express, Spring, Wordpress, MATLAB, Falcon
OTHERS: Android App Development, Git, SVN, Kafka

WORK EXPERIENCE

Current
JUL 2015 **Software Development Engineer** at TIMES INTERNET LIMITED, Delhi NCR
Single Sign On (SSO) :
- Working on large scale secured user authentication system to automatically login across all products of The Times Group serving **100 mn** users
- Designing architecture to integrate SSO, catering to requirements of various products
Crosswalk Identity Module :
- Looking after the **product, architecture** and development of identity module
- Developing crosswalk **Javascript** library to facilitate cross business identity management
Cross-App Mobile SDK :
- Implemented **JS Bridge** to facilitate web-native communication for Android and iOS
- Developing **backend** APIs for cross-app login & assisting in **Android** SDK development
Robust Architecture Design :
- Led software architecture design and implementation of **SSO disaster management** and recovery, across multiple data centers, for providing sign-on services round the clock
- Designed horizontally scalable architecture for user activity monitoring, and implemented **Kafka producer-consumer** cluster
Face Detection and Recognition :
- Developed face and eyes detection module using **Python** and **OpenCV** Haar Cascades
- Designed a face recognition system to match the detected face in celebrities' database
- Implemented the same to develop an android application to perform face recognition
Felicitated with the Aspire Award twice for exhibiting outstanding performance

SUMMER
2014 **Software Engineering Intern** at AMAGI MEDIA LABS, Bangalore
Targeted TV advertisement across 25 countries
- Implemented **WebSockets** replacing HTTP in device-agent and cloud communication
- Developed **web app** using *Angular, Bootstrap* and *NodeJS* to provide user interface for device-cloud transport server to manage content and track upload progress
- Achieved reduction in bandwidth usage & improvement in client-server communication

SUMMER 2013	Summer Intern at GOSONIX, Bangalore <i>Sales Consulting Division of Markitbiz Solutions Pvt. Ltd.</i> - Evaluated the feasibility of venturing into B2B space in <i>international market</i> - Devised an automated dashboard to track progress of projects (backlog, lead time)
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PROJECTS AND PUBLICATIONS

SPRING 2015	Instant Notification System - WISSLR (www.wisslr.com) <i>Training & Placement Cell, IIT Delhi</i> - Developed an android app to instantly notify students about placement updates - Designed backend architecture and created REST APIs for android, iOS & web apps - Developed responsive web app for the same using PHP, ReactJS and Bootstrap
FALL 2014	Comparative Study of Power Forecasting Methods for Wind Farms <i>Under Prof. B.K. Panigrahi, Electrical Engineering Department, IIT Delhi</i> - Designed models to forecast power generation for wind farms implementing Curve Fitting, Neural Networks, Extreme Learning Machine etc - Research paper accepted in International Conference on Circuit, Power and Computing Technologies 2015 and published on IEEE Xplore (LINK: http://ieeexplore.ieee.org/document/7159429/)
AUG 2013	Smart Chat <i>During 24 hour hackathon, Yahoo Hack-U</i> - Developed a real time chat-based recommendation system integrating Scheduler, Google Maps, Trip Planner, Image Fetching etc

NON PROFIT ORGANIZATION

Co-founder, Helpiez, Delhi NCR	DEC 2014 - JUNE 2015
- Successfully launched beta version of volunteering management & social networking portal - Developed responsive platform using PHP, JavaScript, jQuery, SQL, HTML5, CSS and Bootstrap - Contracted with over 10 college NSS societies and 25 NGOs to start using Helpiez	

POSITIONS OF RESPONSIBILITY

General Secretary, Electrical Engineering Society (EES)	JUNE 2014 - MAY 2015
- Headed a team of 20 to conduct cultural, sports and technical events throughout the year - Launched EES into new era with dedicated website and garnered sponsorship - Organized 4 events during Tryst - Annual Technical Festival of IIT Delhi	
Nucleus Placement Coordinator	JUNE 2014 - MAY 2015
- Guided a team of 5 members for inviting reputed companies for Campus Placements - Supervised smooth conduct of campus recruitment activities of over 40 companies - Recipient of Significant Contribution Award from Training and Placement Cell	

AWARDS AND ACHIEVEMENTS

- **All India Rank 4** among **more than a million students** in CBSE AISSE, 2009
- **KVPY scholar** : scholarship by Department of Science and Technology, Govt. of India, 2010
- **All India Rank 6** in Techgig **Code Gladiators** - world's largest programming competition, 2017
- **Aspire Award** by CEO of Times Internet Limited for outstanding performance, 2016
- **Certificate of merit** awarded by CBSE for being in **top 0.1%** in Maths & Science, 2009
- **Merit Student Award** by CSIO at CSIR Programme for Youth Leadership in Science, 2009
- **Certificate of achievement** felicitated by Chief Parliamentary Secretary for exemplary academic performance, 2011