R Sandeep

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EDUCATION

2013-2018 (Expected)	B.Tech and M.Tech (Dual Degree) in COMPUTER SCIENCE AND ENGINEERING **Indian Institute of Technology**, Kharagpur **Coursework:** Programming and Data Structures, Discrete Structures, Algorithms-II, Switching Circuits, Operating Systems, Computer Networks, Machine Learning, Image Processing, Algorithms-I, Software Engineering, Compilers, Database Management Systems, Information Retrieval, Advanced Graph Theory

TECHNICAL SKILLS

PROGRAMMING	*Proficient in* C, C++ and *Familiar with Javascript, Python, Java,* C#
LIBRARIES/FRAMEWORKS	Node.js, AngularJS, Express, Socket.io
DATABASES	MySQL, MongoDB
SYSTEMS/PLATFORMS	*Familiar with* Git, AWS (EC2), Android

EXPERIENCE

JUN 2016 MAY 2016	**Software Engineer Intern** **Microsoft India Development Centre, Hyderabad** - Part of the Azure Site Recovery team, which aims to provide consistent apps, workloads and data during planned and unplanned downtime or disasters, and to recover to normal working conditions (Disaster Recovery). - As part of the team, I was responsible for helping provide Disaster-Recovery support for AWS cloud environment from the ground up. Worked extensively with Amazon EC2 instances and Azure, and was able to integrate the project on their current stack. Implemented several proof of concepts and investigation phases to help keep the system in a consistent state. - Have been offered a Full-Time position on the basis of the work done.

ACADEMIC PROJECTS

APR 2016	**Data extraction from biomedical literature for automating systematic reviews** - Worked on feature detection of a particular class of text (specifically, inclusion and exclusion criteria for patients) from a huge collection of biomedical literature using NLP Techniques with high precision and recall.
APR 2016	**Selene** (A COMMUNITY BASED MUSIC-RECOMMENDATION ENGINE.) - An android app that serves as a social music recommendation engine using Facebook's graph API, YouTube's API and Musixmatch's API giving more priority to music listened to by your close friends.
MAR 2016	**Studious - Course Management System** - Built a complete course management system that supported authentication & authorization, User Access Control for 4 different types of users, real-time messaging with notifications (using socket.io), calendar support and all major features one can expect from a CMS including faculty management, course progression, self-evaluated tests, etc.
APR 2016	**Retrieving salient sentences from Reddit AMAs** - Built a web-based summariser that provides summaries from /r/iAMA with abilities to choose any AMA from a list or through instant search (implemented with Angular autocomplete.)
APR 2015	**Hall Management System** - Built a hall management system using MySQL and Java frontend which automates the process of managing various aspects of hall related activites like hall and room allocation, staff management and general overview of expenditure to name a few.

HACKATHONS & WORKSHOPS

APR 2016	**Data Extractor from 2D plots** **OpenSoft 2016** - Built a graph extractor that detects multi-variable graphs in any given PDF and tabulates them autonomously taking into consideration features like axis values, scale, legend
JUN 2015	**AppoloX** **Angel Hacks 2015** - Took part in **Angel Hacks Delhi**, a 24 hour hackathon, where my team built AppoloX, a context sensitive app which understands the context of the text and recommends activities accordingly. We used node.js, brain.js and the Android Platform.
MAR 2015	**Code.Fun.Do** - Built an app to help people with their therapy plans using **KINECT** to check the movement of joints and voice prompts to correct the movements during the **Microsoft Code.Fun.Do Hackathon**

SPORT PROGRAMMING

- Google APAC-2016 Round-B **Rank-157**
- ACM-ICPC Onsite Regionals **Rank-63** (Team Event)
- Member of Team yeah_u_wish, one among 25 teams all over india selected for KTJ coding event OVERNITE and secured **17th position** there.
- Regular on codeforces as renegade_warrior