INTERNSHIPS AND RESEARCH

Microsoft India R&D - Software Developer Intern Summer'15
- Developed a **Cross Device Productivity Application** in Android and Windows Universal App Framework
- Worked on Windows Azure Service Bus and Mobile Service to Handle the backend for the application

Implementation and analysis of distributed algorithms in Machine Learning Ongoing
Guide: **Prof. Ganesh Ramakrishnan** B.Tech Project
- Working on implementation of distributed stochastic optimization on large data-set for binary classification using Spark and Akka tool

Software Developer, Function Space Summer'14
- Implemented a **Document Classifier** in python using **Maximum Entropy Classification Algorithm**

KEY PROJECTS

Compiler *Guide:* **Prof. Amitabha Sanyal** Jan'15-Apr-15
- Incrementally designed a compiler in different stages for tokenizing, parsing, syntax-analysis and code generation using FlexC++ and BisonC++

Conversion - English to SQL *Guide:* **Prof. Pushpak Bhattacharyya** Aug'14-Nov'14
- Worked on various aspects of **Natural Language Processing** for translating queries written in natural language to SQL
- Implemented Machine Learning and Rule Based approach and compared their performances

Remote Desktop Connection *Guide:* **Prof. Varsha Apte** Aug'14-Nov'14
- Program for browser based remote desktop connection for controlling desktop remotely
- Implemented socket connection between client browser and python server on remote desktop for communicating screenshots and client activity

Chess *Guide:* **Prof. Amitabha Sanyal** Mar'13-Apr'13
- Implemented single/double player chess in **MIT-scheme** using **Mini-Max algorithm** with **Alpha-Beta pruning**

Transformer Animation *Guide:* **Prof. Parag chaudhuri** Aug'14-Nov'14
- Modeled, textured and animated a transformer robot from scratch with OpenGL

SCHOLASTIC ACHIEVEMENTS

- Achieved **62nd** rank at Amritapuri onsite round of **ACM-ICPC 2014**
- Secured an All India Rank of **290** in **IITJEE 2012** among **Half a million** aspirants
- Attended Training Camp for **International Olympiads in Mathematics** (2011) and **Physics** (2012)

POSITIONS OF RESPONSIBILITY

Teaching Assistant Ongoing, Autumn'15
CS 101:*Computer Programming and Utilization*
Helping in Lab Supervision and conducting Remedial labs

SKILLS AND CO-CURRICULAR ACTIVITIES

- Skilled in C++, MIT-Scheme, Android Programming, HTML, CSS, PHP, Python and familiar with Haskel, Prolog, Android development (platform: Linux and Windows)
- Active user on online coding forums like SPOJ(Sphere Online Judge) and Hackerrank
- Participated in Yahoo! HackU and Microsoft code.fun.do, 24 hours coding competitions

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