

## WORK EXPERIENCE

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SUMMER 2015

### *Internship , Microsoft IDC*

Worked on an Application *CheckMark - Correction App* as a part of Microsoft's One India Education Initiative , aimed to ease the paper correction process for teachers . Recieved a Pre Placement Offer at the end of internship

SUMMER 2014

### *Software Developer, Shezartech*

Implemented a JEE Practice Engine with ranking of students by detecting difficulty of problems. Also made a web based Learning Management System

NOV 2013 – DEC 2014

### *Entrepreneurship Project, Infermap*

Infermap is a web portal aimed to help student chose their colleges by a college search engine. Built the complete website as main developer

## ACHIEVEMENTS

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- Secured an All India Rank of "358" in *IITJEE 2012* among 5 lakh aspirants
- Awarded *KVPY 2010-11* fellowship and attended the prestigious *Vijyoshi Camp 2011* at *IISc, Bangalore* and *Summer Camp* at *IISER, Pune* organized by *KVPY*
- Awarded "*Tech Freshman Of The Year 2012-2013*" among 880 freshmen
- All India Rank 15 in *NCO* , 21 in *INMO* and 51 in *NSO* Conducted by *SOF*
- Secured 3<sup>rd</sup> Position in *Codestruck* , National Coding Competition conducted by *Techfest,IITB*
- Secured 10th in *ACM-ICPC 2014* Onsite round at *Khadagpur* site

## SOFTWARE SKILLS

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SKILLED	C, C++ , Java, MIT-Sceme, Python, PHP, HTML5, CSS3, JQuery, MYSQL , MVC , Android Development
BASIC	TeX, VHDL, MIPS Assembly, BASH , MATLAB, Prolog

## PROJECTS

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### 2015 **QuizApp Server - R&D Project**

*Designed a Web Application and REST Framework APIs for an App to conduct in class quiz with proper security mechanisms. Created custom fonts for authentication and LDAP verification*

### 2014 **Web Based Remote Desktop**

*Implemented a server client program using Websockets to implement a remote desktop connection. Authentication system and Auto Load balancing was a part of this project*

### 2014 **Machine Translation**

*Implemented schema dependent machine translation of Natural Language Query to SQL Queries Statistically using Moses and Generic CFG Based adaptable to schema*

### 2013 **Voice Controlled Bot and Biped**

*Implemented Hidden Markov Model for the voice processing module. Coded in MATLAB involved algorithms like Viterbi and Forward-backward algorithm. Also built an RC Bot and Biped*

### 2014 **Transformer Modelling in OpenGL**

*Built a model of transformer in OpenGL C++ along with interactive keyboard controls. Created 3D environment and made a short movie using key-frame interpolation*

### 2013 **Implementation of Threads in GeekOS**

*Implemented Kernel level threads and User level threads in GeekOS - tiny OS kernel. Worked on Deadlock detection and proper resource management with implementation of syscalls*

### 2013 **Compilers**

*Made a compiler for C like language using FlexC++ and BisonC++. Incrementally achieved syntax analysis, symen-taic check, AST Generation and Machine code generation*

## EXTRA CURRICULARS

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- Been an active freelancer with work in eide range of projects
- Participated in Yahoo and Microsoft hackathons
- Interested in algorithmic coding
- Extremely Interested in traveling and other adventure activities