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- **Piiota** May 2013 - July 2013
- An Automated Answer Telling Machine
- It has features like Text to speech Integration using festival, Wikipedia Data Extraction and Storing Data through serializing in Dictionary for fast lookup time

## Recommendation Systems

Jan 2014 - May 2014

- Recommendation System for recommending singers , bands and songs to users .
- Used *Pearson Coefficient* , *Slope One recommendation* , *Minkowski distance* and *Deviation Method*.

## Bingo Shell

Nov 2012 - Jan 2013

- A GUI shell which makes Unix more user friendly .
- It has features like Automated Email Sending , Weather API , Music Player Integration etc.

## Project X

March 2013 - May 2013

- An Open Source 3D racing game
- It has features like Model and Texture Loading , Skybox, Fogging Effect , Wall Detection , Dynamic Level Loading etc.

## AlphaPy

Oct 2013 - Dec 2013

- A python PyGTK based text editor
- It has features like text to speech Integration, compiler integration ,Online storage in Google Drive and Auto exporting to HTML and RTF format

## SQL Parser

Aug 2013 - Dec 2013

- Implemented Basic Relational Algebra Functions and Aggregate functions
- Storing Data through serializing in Dictionary for fast lookup time

## AWARDS

### Competitive Programming

- Ranked **3rd** among Indian teams in [IEEEExtreeme-7.0](#)
- Qualified for both [ACM ICPC Amritapuri regionals](#) and [ACM ICPC Kharagpur regionals](#). My team ranked **24th** in ACM ICPC onsite regionals .
- Solved 250+ problems in Spoj . Handle : [tusharmakkar08](#)
- Solved 125+ problems on Codechef . Handle: [tusharmakkar08](#)
- Rated Blue on codeforces . Handle : [tusharmakkar08](#)
- Ranked **33** among Indian teams in [IEEEExtreeme-6.0](#)

### Haryana Pratibha Samman Award

- Recieved Haryana Pratibha Samman Award from Chief Minister of Haryana for securing **AIR - 3** in High School Examination

### Microsoft Code.Fun.Do

- Winner of Hackathon Code.Fun.Do organised by Microsoft.

### Performance in Olympiads

- **AIR - 1** in Holy Faith's National Talent Search Exam - 2009 .
- **AIR - 21** in [National Science Olympiad](#) - 2009
- **AIR - 215** in [National Science Talent Search Examination](#) - 2009
- Secured **93 percentile** score in both [International Maths Olympiad](#) and [National Cyber Olympiad](#)
- Qualified **NTSE** Level - 1 in 2009

### IIT JEE and AIEEE

- Amongst the Top-0.01% (AIR - 6094) in IIT JEE 2011 and Top-0.003% (AIR - 3076) in AIEEE 2011

### Merit Certificate

- Received Merit Certificate from Director for being in Top-0.1% in Class

## EXTRA-CURRICULAR ACTIVITIES

- *Microsoft Student Partner*
- *Convenor of Web Enthusiasts Club*, an elite group of Computer Enthusiasts at NITK.
- *Joint Head of NITK Codechef Campus Chapter*
- *Joint Convenor of Computer Committee in Engineer 2014* the technical fest of NITK.
- *An active Open Source Contributor* , [Open Source Report Card](#).
- *Executive Member NITK IEEE Student Branch*, Bangalore Section.
- *Executive Member Amateur Astronomers Club (previously SGC) NITK*
- *Worked in Engineer 2012 and 2013* the technical fest of NITK as a member of Comps Committee.
- *Webcasting Volunteer for Election Commission of India* in the Dakshina Kannada Parliamentary Constituency for the General Election to Lok Sabha - 2014.