

SAKET HARSH

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2nd Year Undergraduate

Hall 3, IIT Kanpur, U.P 208016

EDUCATION

Indian Institute of Technology Kanpur

4yr B.S. in Mathematics & Sc. Computing
Department Of Mathematics

July 2015 - Present

Overall GPA: 7.8/10

Delhi Public School, Ranchi

AISSCE(Class 12th Board)
Computer Science as 5th Subject

June 2013 - May 2015

Percentage 95.8 %

Oxford Public School, Ranchi

AISSE(Class 10th Board) CBSE

May 2010 - May 2013

Overall GPA:10/10

ACADEMIC ACHIEVEMENTS

- All India Rank **35** in **SCRA(Special Class Railway Apprentice 2015)** organized by **UPSC**
- All India Rank **768** in JEE MAIN 2015 organized by **CBSE**
- State wise top **1%** in **NSEP(National Standard Examination in Physics)** organized by **IAPT**
- State Rank **3** in I.T Talent Search Examination 2008 , Jharkhand State

TECHNICAL SKILLS

Languages	C/C++, MATLAB, Python, Shell Scripting, HTML
Software & Tools	L ^A T _E X, Git, Solidworks, GNUPlot, Vim, MySQL
Operating System	Ubuntu, Arch Linux, Fedora, Mac OS, MS Windows

PROJECTS

Machine Learning

Programming Club, IIT Kanpur

May 2016 - July 2016

- Studied about different Machine learning techniques and implemented a Neural Network based Machine Learning Algorithm to predict the closing Stocks of various Multi-National Companies.
- Collected dataset of various MNC's of about an year to train a 4*70*50*1 neural network for the desired output.

RmSearch

Self Undertaken Project

December 2016

- Wrote a script in **Python** and **Shell** to search for any .mp3 file in the Computer and Play it using command line VLC.
- Script is able to recognize mp3 songs even by incomplete names(up to an extent).
- Visit github.com/saketsharsh/RmSearch for more details.

Mechanical Elevator

Prof. Rajiv Shekhar

3rd Semester 2016-17

- Learnt basic techniques of working with metals(Brazing, Welding, Casting).

- Implemented the techniques to build a Mechanical Elevator that can lift Objects which are elliptic in nature to large heights by mechanical forces only.

RELEVANT COURSES

1st and 2nd Semester

Introduction to Computing
 Introduction to Mechanics
 Linear Algebra and Ordinary Differential Equations
 Introduction to Economics
 Multivariable Calculus

3rd and 4th Semester

Computational Methods in Engineering
 Abstract Algebra
 Probability and Statistics*
 Real Analysis
 Mathematical Logic*

* marked course are undergoing

POSITION OF RESPONSIBILITY

Programming Club , IIT Kanpur

August 2016 - Present

Secretary

IIT Kanpur

- Currently working with a team of 30 Computer Enthusiasts to conduct, organize, and promote all kinds of Programming Related activities inside the Campus.
- Successfully organized Linux Install Fest to promote Open Source Contribution in the Campus.

Counselling Service, IIT Kanpur

April 2016 - Present

Student Guide

IIT Kanpur

- Selected for the post of Student Guide , to guide six incoming students for smooth transition into their lives away from home and to help them in their ups and downs at IIT Kanpur.

INTERESTS AND EXTRA- CURRICULAR ACTIVITIES

Machine Learning, Competitive Programming and **Open Source Contribution** are the interests that I pursue in general.

Completed a year long training in **Football as a Physical Activity Course**

Participated in **Electromania, Takneek 2015**(Inter Hall Technical Competition) to develop a "Bucket Game" using LED's, IC, and breadboards.

Actively participated in Quizzes, Debates and Calligraphy in school.