

# Asim Krishna Prasad

3rd Year Undergraduate, Computer Science & Engineering  
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## EDUCATION

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### Motilal Nehru National Institute of Technology, Allahabad | 2013 - Present

B.Tech | Computer Science & Engineering | CGPA: 7.98 (Up to 5th Semester)

Ranked 19<sup>th</sup> at ACM-ICPC Asia Prelims 2015

Represented NIT-Allahabad at ACM-ICPC Asia Regionals 2014

### Kendriya Vidyalaya, Kathmandu | 2011 - 2013

CBSE | Secondary Schooling | XIIth | 95.2%

Specialization: Science (PCM) | All India 99.09 percentile

### Kendriya Vidyalaya, Kathmandu | 2009 - 2011

CBSE | Primary Schooling | Xth | 10/10 CGPA

## TECHNICAL SKILLS

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**Programming Languages**    C • C++

**RDBMS**    MySQL

**Others**    GitHub • BASH • Bootstrap-framework • Python • PHP

## OPEN-SOURCE

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### Buggy - BatchTest for CodeForces

Mar - May 2015 | NIT Allahabad

Technologies Used:    Python • Batch scripting • C++ • Sublime-Text API

A plug-in for Sublime-Text which downloads all the sample input-output data for a particular CodeForces round and allows the user to test his solution on all the sample inputs along with additional features like custom-testcase and template code, all from within Sublime-Text.

### Contest Notifier

Dec 2015 | NIT Allahabad

Technologies Used:    Python • Google Calendar

A very simple and clean desktop application for Ubuntu which keeps track of upcoming algorithmic contests on TopCoder and CodeForces. Extra features include a timer-clock and sync with proxy settings.

### CodeForces ToolKit

Oct 2014 | NIT Allahabad

Technologies Used:    PHP • MySQL (server side) • CSS • CodeForces API

Worked on the back end and front end. The project includes use of CodeForces API and allows a user to register and login and make a friend list so as to keep an eye on the ratings and much more.

### HackerTyper ColorScheme

Feb 2014 | NIT Allahabad

Created a ColorScheme for Sublime-Text with colors specially chosen for competitive programmers and C++ users.

### Bit-Castle Game

Feb 2015 | NIT Allahabad

Technologies Used:    Python • PyGame

A simple but new game developed using PyGame in Python. The game runs infinite and has features like store too which can be used to modify the level-specific-variables according to the points that the user has.

# PROJECTS

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## Spam Classifier

Jan - Feb 2015 | NIT Allahabad

Technologies Used: Python • C++ • Batch scripting • Machine Learning (ML)

Developed an application which downloads mails from Gmail for a particular user and then separates the Spam and Non-Spam mails based on Bayesian Algorithm. The dictionaries get updated after each mail is processed and hence implemented a basic Machine Learning system.

## Optical Digit Reader

May - June 2015 | NIT Allahabad

Technologies Used: Python • Machine Learning (ML)

Implemented a basic digit recognizing system from an image. The algorithm uses KNN to identify the digit based on the training data set and keeps on enhancing the data set based on user supervision.

## Chess Bot

Jan 2016 - Running | NIT Allahabad

Technologies Used: Python • OpenCV

Implementing a Chess Bot which will make it's move on the basis of feed from a camera.

## Bugecode.com : Personal Blog

Nov - Dec 2014 | NIT Allahabad

Technologies Used: PHP • MySQL

It has been made with an intent to share knowledge and serves as my personal blog for now. Worked on complete back and front end

# ACHIEVEMENTS

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## Google APAC Test | 2015

66<sup>th</sup> Position in Asia.

## 361degrees Hackathon | Greymeter | 2015

5<sup>th</sup> Position in Algorithmic and bot-designing rounds.

## Avishkar | Intra-College Technical Fest | 2014

1<sup>st</sup> Position in Softathalon.

## Winter Coding Camp | 2014

Got selected in 40 students across India for an algorithmic coding camp held in Bangalore.

## Member of IPC

Problemsetter with Indian Programming Community, Codechef.

## Code2014 | Intra-College Fest of JNTU | 2014

5<sup>th</sup> Position in Algorithmic Coding Contest.

## Merit Certificate | 2013

Awarded the Certificate of Merit for being in **top-1%** of students across India in AISSCE.

# CODING PROFILE

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## ACM ICPC | Oct 2015 & Dec 2014

Ranked **19<sup>th</sup>** out of 1200 teams who participated in ACM ICPC Chennai Online Round – 2015 (Team of 3).  
Represented NIT Allahabad at the ACM ICPC Asia onsite regionals, Amritapuri-2014 (Team of 3).

## GitHub

10+ Repositories | Longest Streak : 36 days and running |  
300+ Commits | in last year.  
Handle: pakhandi

## CodeChef

250+ Solved | Handle: pakhandi

## Codeforces

Blue rated | Best Rating: 1750 | 250+ Solved | Handle: pakhandi

## TopCoder

Best Rating : 1285 | Handle : pakhandi

# POSITIONS OF RESPONSIBILITY

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## CodeChef SnackDown Campus Representative

May 2015 | NIT Allahabad

Part of a 3 member team selected for promoting and encouraging students at NIT Allahabad to participate in CodeChef Snackdown Algorithmic Contest so as to promote a coding culture on campus.