

Vamsi Krishna Gollapudi

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EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY

B.TECH IN INFORMATION TECHNOLOGY

Expected May 2018

Durgapur, West Bengal

Cum. GPA: 8.29 (7th Sem)

VIJAYA RATNA JUNIOR COLLEGE

INTERMEDIATE EDUCATION

Grad. May 2014 | Hyderabad, India

950/1000

ST. THERESA HIGH SCHOOL

I.C.S.E

Grad. May 2012 | Hyderabad, India

610/700

LINKS

Github:// [pandusonu2](#)

LinkedIn:// [pandusonu](#)

Facebook:// [pandusonu](#)

Twitter:// [realPanduSonu](#)

SKILLS

COMPETITIVE PROGRAMMING

(All usernames: pandusonu)

Peak Ratings:

Codechef: 2297(orange)

Codeforces: 1892(blue)

Topcoder: 1345(blue)

Selected Ranks:

Topcoder: 3 (Div 2 SRM 712)

Codeforces: 7 (Div 2, #478)

Codechef LunchTime: 19 (LTIME53)

Codechef long: 81 (AUG16)

Codechef Cook-Off: 87 (COOK87)

PROGRAMMING

Experienced:

Java • Shell • Python •

C • Django • C#

Familiar:

JavaScript • \LaTeX • Rails •

Android Studio • Rust

EXPERIENCE

AMAZON | SDE INTERN

May 2017 – July 2017 | Bangalore, India

- Created package for centralizing global data for the US and Japan Amazon Pay systems.
- Resulted in removal of duplicate items, making the overall product more maintainable and scalable.
- Was offered a PPO based on the performance.

GNOME | GOOGLE SUMMER OF CODE INTERN

April 2016 – Aug 2016 | Online

- Worked on gnome calendar, initializing the essential **week-view** feature in it.
- It is a part of official Ubuntu release from Ubuntu 17.10.
- This was one of few projects selected for Google Summer of Code.

PROJECTS

SPEAK CODE | MICROSOFT IMAGINE CUP NATIONAL FINALIST

Jan 2017 - Present

Developed a Windows desktop application to help learn coding in any language.

Backend written in Ruby on Rails, by using an open sourced Online judge.

This was one of the only 30 projects selected for the Indian National finals of Microsoft Imagine Cup 2k17.

Link to youtube video: [Speak Code](#)

MANGA DOWNLOADER | OPEN SOURCE COLLABORATION

March 2015 - Present

Group of bash scripts used to download, convert and save comics from online sources.

This was forked and starred multiple times in GitHub, with collaboration of students across India.

Primary maintainer of the overall product as part of NIT Dgp Open Source group.

Link to repo: [Manga Downloader](#)

RESEARCH

ALGORITHMS

April 2017 - Present

Project based on complete set partitioning for collation structure generation, a NP-complete problem.

Comparison of existing heuristic algorithms and created a new approach using Dynamic Programming.

Polynomial runtime giving answer with error rate of 10% of optimal answer.

SEMANTIC WEB

Oct 2015 - March 2016

Developed new graph models to assert meta knowledge in web of data.

Paper accepted in IEEE ICSC 2017. [Paper later withdrawn due to lack of funds]

ACHIEVEMENTS

- National finalist of Code-N-Counter 2.0 organized by Nagarro
- National finalist of Humblefool cup 2017 organized by topcoder
- Qualified for ACM ICPC regionals in 2016 and 2017
- Founding member of NITDgpOS