

Rajas Vanjape

Curriculum Vitae

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Education

- 2014–19 **B.Tech(Honours) + MS by Research in Computer Science**, *International Institute of Information Technology, Hyderabad*, CGPA – 8.50 (uptill 6th semester).
- 2012–14 **Senior Secondary**, *MES Abasaheb Garware Junior College, Pune*, Percentage – 77.84.
- 2011–12 **Secondary**, *Late PB Jog High School, Pune*, Percentage – 94.36.

Work Experience

- May 2017 **IOITC - 2017 Coach**, Chennai Mathematical Institute, Chennai.
Taught Algorithms to students selected for the IOI Training Camp 2017. Prepared problems for the Team Selection Test(TST) at the camp, which helps in selection of students who represent India in International Olympiad in Informatics (IOI)
- Spring 2017 **Teaching Assistant**, Data Structures Course, IIIT-Hyderabad
Responsibilities included taking tutorial sessions and designing problems for quizzes and assignments.
- Monsoon 2017 **Teaching Assistant**, Digital Logic and Processors Course, IIIT-Hyderabad
Responsibilities included taking tutorials and correcting papers.

Achievements/Awards

- ACM-ICPC 2016 Qualified and secured Rank 56 at the **ACM ICPC World Finals 2017** held in **USA**. Was a member of team MobiusTreap which was **Ranked 1st** in the **Asia India-Finals** and **2nd** in the **Asia Amritapuri** and **Asia Chennai** Onsite Regional.
- ACM-ICPC 2015 Was a member of team MobiusTreap which was **Ranked 4th** in the **Asia Kolkata** Onsite Regional and **16th** in the **Asia Amritapuri** Onsite Regional.
- ACM-ICPC 2014 Was a member of team Psykes which was **Ranked 23rd** in the **Asia Amritapuri** Onsite Regional.
- IMOTC 2013 Selected among **Top 30** from India to attend **IMOTC 2013**, training camp to select Indian Team for International Mathematical Olympiad.
- IOITC 2013 Selected among **Top 23** from India to attend **IOITC 2013**, training camp to select Indian Team for International Olympiad in Informatics.
- Codeforces Highest Rating of **2062** Handle: vmrajas
- Topcoder Highest Rating of **1685** Handle: vmrajas

- Codechef Ranked in **Top 20** in India in April and May 2016 Long Challenges. (Handle: vmrajas)
- Hackerrank Ranked in **Top 100** globally in World Codesprint, World Codestorm and World Cup contests. (Handle: vmrajas)
- Hackercup Ranked **516** globally in Facebook HackerCup Round 2 2016.
- Dean's List Selected in Dean's List for the year 2014-15, for being in **top 15%** of the batch.

Projects

- Monsoon 2016 **Compiler for Decaf Programming language**
Built a compiler for Decaf programming language using flex and bison for syntax analysis and AST generation, along with LLVM for code generation.
- Monsoon 2016 **Paper Author Identification Problem**
The project aimed at finding the correct authors of a publication given a noisy dataset of authors and their publications. Formulated this as a classification problem and implemented classification algorithms as part of Statistical Methods in Artificial Intelligence course.
- Summer 2016 **News Recommendation System**
Implemented a news recommendation system in python which recommends articles to a user based on his/her user history as part of summer research project at SIEL, IIT Hyderabad.
- Spring 2016 **Ultimate Tic-Tac-Toe Bot**
Implemented a python bot which uses min-max search tree, alpha-beta pruning and heuristic function to play modified Tic-Tac-Toe as part of Artificial Intelligence course.
- Spring 2016 **OpenGL and WebGL Game**
Used OpenGL and WebGL to make Projectile and a Carrom Game as part of Graphics Course.

Technical Skills

Working Knowledge GNU/Linux, C, C++(STL)

Past Experience Python, Bash, OpenGL, MySQL, HTML, MATLAB, web2py