

# Saransh Goyal

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## ACADEMIC DETAILS

2020-Present	<b>B.Tech – Computer Science</b> Vellore institute of Technology, Vellore	8.78 (till sem-VII)
2014-2015	<b>Senior Secondary Examination – Class XII</b> SR International School, Bharatpur (Raj.) Board of Secondary Examination, Rajasthan	89.20%
2012-2013	<b>Higher Secondary Examination – Class X</b> St. Peter School, Bharatpur (Raj.)	10 CGPA

## WORK EXPERIENCE

- **INTERN** - Hewlett Packward Enterprise.  
(Under:Kedar Vaze, Jan'20 – July'20 )(present)
  - **Objective:** Using Machine Learning to identify recurrence of a known bug with higher accuracy based on the triage data.
  - With same Bugid there are multiple duplicate triages. for each triage we have to check its multiple logs files.(approx 20min)
  - This tool will predict whether a bug is duplicate or not.**Tools and technologies used:** python, ML ,Natural language processing, Linux.

## PROJECTS

- **Simulation of Molecular Dynamics Using OpenMp and SIMD:**
  - Molecular-dynamics simulation is a well-progressed numerical method that shows the use of a suitable algorithm to solve the classical equations of motion for atoms with a known inter atomic potential.
  - At each time stamp, calculation of KE and PE is done and also the relative error in the total energy.
  - For np=2000, execution time is reduced from 7 min to 70 seconds.
  - **Used:** C, OpenMp, SIMD.
- **Web Enabled Interactive, Dynamic And Authenticated Work Order System :**
  - This is an important application useful for the organization that wants to do its work in suitable time.
  - The administrator of the company will view the orders placed by the Customer. He will then analysis the customers order and chooses an appropriate worker for that customer.
  - After the end of the day the worker is requested to update the status of his work.
  - **Used:** HTML, CSS, PHP, Java Script, MySQL , XAMPP .

## ACCOMPLISHMENTS

- **Competitive Programming**
  - **Codeforces:**goyalsaransh002, max rating: **1400**. Solved **125+** problems.
  - **Hackerrank:** goyalsaransh002, have solved about **80+** problems.
  - **Acm reverse coding 2017:** Got 2nd rank at a coding event out of 100+ teams .
  - **Codathon 2017:** Got 8th rank at a coding event out of 200+ teams .

## SKILL SETS

- **Programming Languages:** C, C++(STL),,python(basic), **Field:** Data Structures and Algorithms(DSA),Machine Learning, **Database Used:** MySQL , **Operating Systems:** Windows, Linux(Ubuntu), **Tools and Services:** Codeblocks, Idle Python, Matlab , R Studio.
- **Hobbies:** Sport programming, Social Networking, Playing badminton, solving puzzles, willingness to learn team facilitator.

## Extracurricular

- Gravitas 2017 Volunteer,Marathon 2018 coordinator.