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## EXPERIENCE

<b>Algorithmic Problem Setter</b>	<b>Association for Computing Machinery, VIT</b>	<b>Jan 2018 - Present</b>
<ul style="list-style-type: none"><li>Responsible for setting challenging algorithmic problems with efficient solutions for intra-college programming contests/hackathons, as part of the ACM Chapter of VIT.</li><li>List of my original problems available at - <a href="https://github.com/SatyamJindal/Competitive-Programming/tree/master/Original%20Problems">github.com/SatyamJindal/Competitive-Programming/tree/master/Original%20Problems</a></li></ul>		
<b>Software Developer</b>	<b>Creation Labs</b>	<b>Dec 2017 - Present</b>
<ul style="list-style-type: none"><li>Creation Labs is a student-driven club of VIT that encourages students with a hacker/maker mentality to work on interesting projects such as building UAV Drones, Autonomous Vehicles and Mars Rovers etc.</li><li>Study and design autonomous traversal algorithms for the Mars Rover in the Rover Project(Team RoverX), for international competitions like the European Rover Challenge and the University Rover Challenge.</li></ul>		
<b>Sport Programmer</b>	<b>Algorithmic Contest Platforms</b>	<b>December 2016 - Present</b>
<ul style="list-style-type: none"><li>Ranked at top 2.33 percentile globally on Codechef.( 4 stars, Rating: 1948)</li><li>Profile links and Submissions – <a href="https://github.com/SatyamJindal/Competitive-Programming">github.com/SatyamJindal/Competitive-Programming</a></li></ul>		
<b>Contestant</b>	<b>Google Science Fair</b>	<b>May 2015</b>
<ul style="list-style-type: none"><li>Participated in the annual Science Fair organized by Google.</li><li>Built a blind stick integrated with sensors to provide an aid to the visually impaired to have a better sense of objects around using a microcontroller. (Arduino Uno)</li></ul>		
<b>Contestant</b>	<b>Google Science Fair</b>	<b>May 2014</b>
<ul style="list-style-type: none"><li>Built an app using the MIT App Inventor that would help in increasing the number of eye donations by sending the location of the donor to the doctors through GPS considering the fact that human eyes do not die immediately after death.</li></ul>		
<b>Apprentice Guardian</b>	<b>Fanup, Inc.</b>	<b>April 2012- Jul 2014</b>
<ul style="list-style-type: none"><li>Fanup is a community for fans of online games, including Facebook games, iPhone and Android games, MMOs and Virtual Worlds.</li><li>Worked at Fanup as an apprentice guardian in which I gained exposure towards publishing game reviews and on a later stage handled the website with other guardians.</li><li>My responsibility was to handle queries of other community members and innovate upon contest ideas.</li></ul>		

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## EDUCATION

<b>Tamil Nadu, IN</b>	<b>Vellore Institute of Technology</b>	<b>June 2016 – June 2020</b>
<ul style="list-style-type: none"><li>B. Tech in Computer Science &amp; Engineering , CGPA: 9.42 out of 10.0;</li><li>R.N Podar School – AISSCE: 463 on 500 (June 2016);</li><li>Gopi Birla memorial School – AISSCE: 463 on 500 (June 2016);</li><li>Coursework: Algorithms; DBMS; Operating Systems; Neural Networks; Statistics; Data Mining; Machine Learning;</li></ul>		

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## TECHNICAL EXPERIENCE

### Projects

- Virtual-Online-Competitive-Judge (June 2018)** : Generates a random set of questions from various Online Websites for competitive programming such as codechef, Codeforces etc and creates a contest containing five problems sorted by difficulty and a user may submit solutions to these problems in any order. (Python – Tkinter, urllib, beautiful Soup, lxml, PIL)
- Loan Credit Risk Evaluation (April 2018)**: Credit risk evaluation is important to financial institutions which provide loans to businesses and individuals. Implemented Naïve Bayes and Decision Tree on a common

dataset and compared the accuracies of both the models. Further, the accuracy of Naïve Bayes was increased by using principle component analysis. (R)

- **PetPal (HackHarvard'17) (October 2017):** Our project for Harvard University's Hackathon (HackHarvard 2017). Android app that sends image, location credentials to Firebase database and marks location on a world map to ID locations of lost per sightings. Android, Node.js, JavaScript, Firebase, Bootstrap, Google Maps API, Google Cloud Platform.
- **App for financially illiterate (march 2017)** – Built an app designed and intended for the financially illiterate using MIT App inventor for an App-a-thon.
- **Gesture Controlled Bot (July 2016)** – Built a gesture controlled bot (wheelchair) which worked on the coordinates sent via the hand gestures. (Arduino)

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#### ADDITIONAL EXPERIENCE AND AWARDS

- **Make-a-thon, The Blueprints Club, 1<sup>st</sup> Place:** Won the TBC Make-a-thon by pitching a business model and MVP to remould waste plastic obtained from campus trash bins and sell as LEGO alternatives.
- **TCS IT WIZ 2013 (MUMBAI):** Made it to the top 6 teams who reached the event finals held in Mumbai.
- **State level table tennis player:** Represented my school and district at various competitions.

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#### Languages and Technologies

Advanced: C/C++(STL);

Intermediate: Python;

Basic: R; MySQL; Embedded C;

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#### HOBBIES AND INTERESTS

Sport Programming;    Table Tennis;    Badminton;    Football;    Singing;    Puzzle Solving;