



# ANMOL AGARWAL

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## EDUCATION

<b>Manipal Institute of Technology</b>	<i>Manipal</i>
Bachelor's in technology	2019 – 2023
Computer and Communication Engineering	CGPA: 8.78/10
<b>Delhi Public School Rajnagar</b>	<i>Ghaziabad</i>
Grade 12 <sup>th</sup>	2019
PCM + Computer Science	93.75%

## EXPERIENCE

<b>FOO Solutions</b>	<i>July 2021 – Aug 2021</i>
<i>Java Backend Intern</i>	
<ul style="list-style-type: none"><li>Working on the server-side of TAMAM, a micro-lending platform, by creating various REST API</li><li>Involved in creating various REST APIs and their integration with various third parties using Spring Boot.</li></ul>	
<b>Mars Rover Manipal</b>	<i>Oct 2019 – May 2021</i>
<i>Artificial Intelligence Member</i>	
<ul style="list-style-type: none"><li>Developed an autonomous traversal and search algorithm for a Mars Rover for searching AR tags and reaching them.</li><li>Developed an application using network sockets and OpenCV to retrieve real-time video feed from the rover.</li></ul>	

## PROJECTS

<b>Self Submitting Form</b>	<i>2021</i>
Developed a web app that triggers the deadline timer as soon as logged-in and submits automatically in database when timer elapses.	
<b>Pick and Drop Drone</b>	<i>2020</i>
Simulated an autonomous drone on ROS Gazebo, that delivers packages to desired locations and implemented an algorithm for delivery and returns scheduling, in the most efficient manner	
<b>Tennis Ball Detection</b>	<i>2019</i>
Developed a robust custom algorithm to detect tennis balls in harsh lighting conditions.	

## ACHIEVEMENTS

- Secured **2<sup>nd</sup> place** in SMVITM IEEE hackathon by creating a web app called **DigitalDukaanDaar**.
- Contributed to the team that stood **2<sup>nd</sup> in Asia and 7<sup>th</sup> in worldwide** in the University Rover Challenge 2020 held in the Utah, USA.
- Secured the **3<sup>rd</sup> position** worldwide in International Mars Hackathon 2020.
- Top 10** among 400 teams across India in E-Yantra Competition 2020 conducted by IIT Bombay.

## POSITION OF RESPONSIBILITY

- Project Lead, European Rover Challenge 2021, managed 30 undergraduate students and secured **7<sup>th</sup> position worldwide** for Preliminary Design Report.
- Mentored more than 80 undergraduate students for Mars Rover Manipal AI Team 2021.

## TECHNICAL SKILLS

<b>Programming</b>	C++, Java, Python, SQL, CSS, HTML, C, BASH
<b>Libraries &amp; Tools</b>	Node, ExpressJS, MongoDB, Git/GitHub, ROS.
<b>Experienced in</b>	Web Development, Robotics, Linux