



ANMOL AGARWAL

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EDUCATION

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

EXPERIENCE

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

PROJECTS

Self Submitting Form	<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.	
Pick and Drop Drone	<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.	
Tennis Ball Detection	<i>2019</i>
Developed a robust custom algorithm to detect tennis balls in harsh lighting conditions.	

ACHIEVEMENTS

- Secured **2nd place** in SMVITM IEEE hackathon by creating a web app called **DigitalDukaanDaar**.
- Contributed to the team that stood **2nd in Asia and 7th in worldwide** in the University Rover Challenge 2020 held in the Utah, USA.
- Secured the **3rd 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 **7th position worldwide** for Preliminary Design Report.
- Mentored more than 80 undergraduate students for Mars Rover Manipal AI Team 2021.

TECHNICAL SKILLS

Programming	C++, Java, Python, SQL, CSS, HTML, C, BASH
Libraries & Tools	Node, ExpressJS, MongoDB, Git/GitHub, Spring, ROS
Experienced in	Web Development, Robotics, Linux