

Yatharth Agarwal

I am pursuing Bachelor's of Technology in mechanical engineering. I am an enthusiastic and fun loving person, also I am highly dedicated towards my work and posses amazing teamwork and designing skills.

I also love doing photography, making videos and explore new opportunities and unknown facts of the life.



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Work Experience

STAR (Space Technology and Aeronautical Rocketry) | April 2021-May 2021

Design Intern

- learned about the technology behind HPR and STP.
- Got knowledge about design thinking.
- Learned a new skill which is PCB designing.
- lead the project and made everyone motivated to take out maximum output.
- Made the report based on the project.

Educational Background

G.L.BAJAJ INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Graduation | July 2019 - present

- Pursuing bachelors of technology in mechanical engineering .

PRESIDIUM SCHOOL

Intermediate | April 2017 - April 2019

- Subjects were Physics, Chemistry, Maths, English ,Computer Science.

Skills Summary

- DESIGNING
- TEAMWORK
- TIME MANAGEMENT
- PHOTOGRAPHY
- BASIC LEVEL PROGRAMMING
- PROBLEM SOLVING
- ANALYTICAL THINKING
- CREATIVITY SKILLS
- BASIC LEVEL VIDEO EDITING
- PROGRAMMING LANGUAGES KNOWN(C++, C , PYTHON)

Software Skills

- ADOBE ILLUSTRATOR
- AUTODESK AUTOCAD
- AUTODESK FUSION 360
- ARDUINO IDE
- CANVA
- DA VINCI RESOLVE 17
- AUTODESK EAGLE EDA
- PROTEUS 8 PROFESSIONAL

Achievements

-2021

- Achieved the title of "BEST HARDWARE HACK" at Hackdavis 2021 organised by UC davis with my team .
- Achieved the title of "BEST HARDWARE HACK" at CuHAcking 2021 organised by Carleton university with my team .
- Winner at ITTCP 21(innovation think tank certification program) hosted by SIEMENS HEALTHINEERS and secured 2nd place with my team.
- Won the title at HackMIT 2021 organized by Massachusetts Institute of Technology from ACV solutions sponsored hack Winner themed 'Re-Think Automotive'.
- Being the team member of 'Team π ',we stood among the top 10 International Teams in the NASA Deep Space Food Challenge 2021.

-2020

- Winner at Ivyhacks 2020, me and my team made a hack and won the title of "BEST HEALTHCARE HACK" and "BEST HARDWARE HACK".
- Winner at HackTX 2020, me and my teammates built the hack and we won the overall hackathon with "3rd-Place".

Certificates

Coursera

- AUTODESK CERTIFIED PROFESSIONAL: AUTOCAD FOR DESIGN AND DRAFTING BY AUTODESK.
- INNOVATION THROUGH DESIGN:THINK,MAKE,BREAK,REPEAT BY THE UNIVERSITY OF SYDNEY.
- MACHINE LEARNING BY STANFORD UNIVERSITY .
- PRODUCT DEVELOPMENT USING AUTOCAD (GUIDED PROJECT)
- INTRODUCTION TO SELF DRIVING CARS BY UNIVERSITY OF TORONTO
- AUTODESK INTRODUCTION TO MECHANICAL ENGINEERING DESIGN AND MANUFACTURING ENGINEERING USING FUSION 360.
- INTRODUCTION TO BIOMEDICAL ENGINEERING BY ST. PETERSBURG POLYTECHNIC UNIVERSITY

Participation

- IVYHACKS 2020
- HACKTX 2020
- DEF HACKS 2020
- COLLEGE FEST (MECHFEST 2020)
- HUII (HARVARD US INDIA INITIATIVE) 2021
- ITTCP 2021 (INNOVATION THINK TANK CERTIFICATION PROGRAM)
- STAR VTIP 11.0 (VIRTUAL TRAINING AND INTERNSHIP PROGRAM)
- SPACEAPPS CHALLENGE 2021
- NASA DSFC 2021 (DEEP SPACE FOOD CHALLENGE)

Projects

Team Projects

- **THE THIRD EYE AKA T3E** : (THE THIRD EYE aka T3E is a prototype made for the blind people who after so much tech advancement still face problems.)
- **UNMUTE YOURSELF**: (UNMUTE YOURSELF is a prototype made for the people who either loose their voice in accident or are mute by birth, this prototype helps those people to communicate in more efficient way)
- **PSY-PI**: (Your personal Virtual Psychiatrist who let's you know about your emotions and makes you aware about them. PSY-Pi works on the principle of computer vision)
- **PI-KART**: (PI-KART is a prototype made for the new and smart way for shopping ,this prototype is bluetooth controlled Kart which makes it easier for the person to connect with their mobile phones and then control their trolley whenever and wherever they want.)
- **FING -RE**: (FING-RE it is the mechanical prototype designed and build to cure the finger stroke.)
- **NOVA OB11Q**: (STATIC TEST PAD)
- **ENDURANCE X** : (HIGH POWER ROCKET)
- **AURA-ES [Advanced Unit for bio-Regenerative Abode for Earth and Space]**: (AURA-ES is a self-sustaining closed loop bio-regenerative life support system designed in a manner which defines a criterion for space and resources acquired by each crew member aboard the spacecraft.)
- **SERV-E [Your Personal Caring Companion]**: (SERV-E is an autonomous robot capable of being an awesome assistant for the elderly people.)
- **JAMES WEBB TELESCOPE**: (Along with the my team mates we made a replicate of JAMES WEBB TELESCOPE using origami and folding technique for **SPACEAPPS CHALLENGE 2021**)

Interests

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| • SPORTS (FOOTBALL,BADMINTON) | • ROBOTICS |
| • MUSIC | • BIOMEDICAL DEVICES |
| • TRAVELLING | • COOKING |
| • PHOTOGRAPHY | • ART AND CRAFT |
| • CARS AND NEW TECHONLOGY | |