

PERSONAL SKILLS INVENTORY

Skills Developed	Challenge	Action taken	Results	Self-reflection/ Key takeaway
Adaptability (e.g challenge faced in an internship; situation where you handled a lot of pressure; time you failed)	I have done internship for one Drone Mapping Company, Where we have to design the drone with camera and mapping feature from scratch with programming.	We failed for 2 times to make drone fly on our desired path. Then I realized that we are using different algorithms for drone flying calculations, I have then Improvised the algorithms for calculation of location of drone and solve this mapping issue. We need to complete it within 2 months so we faced too much time constraints.	Finally I have made the drone fly according our path and we then recorded our data for mapping successfully.	I have learned from this better time managements and we need to think sometimes in different ways for same problem to solve it.
Analytical (e.g project where you had to perform detailed research and analysis)	I have completed my Mechanical and Automation Engineering So in third year we have an mini project where we have to make one robotic arm and for that we made the Program to locate its position in space.	I have written the programs for this in the Arduino IDE for this project. I have used the Gyroscope and Accelerometer sensor data to locate the position of my robotic arm in space, I have then made programs to analytically calculate the path of arm in space for specific movements in space.	I have successfully completed this mini project with working prototype model of the robotic arm.	I have learned the use of data from sensors and manipulated it for my desiring outputs for my project.
Communication (e.g convince someone of your idea, present complex information, get your point across)	In Engineering we have an idea presentation competitions held by our college, where I have presented my idea on Automated toll plaza system.	I have idea of making A Toll Plaza for automatic working for less traffic jams near it, So I have design the Android app to read QR code and deducting the toll money from directly the account of the car owner. For this I have made the presentation in the MS PowerPoint with help of graphical and tabular data to present my applications working. Also I have used flow chart to show proper working principle of my application.	I have successfully presented my idea in front of my college and Also won the third prize in that competition.	I have learned the proper presentation skill from this for convincing my ideas to others. Also I have increased my confident to presents my idea in front of others effectively.

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Initiative (e.g stepped up to a challenge, identified a problem and took action to solve it, did something even though not your responsibility)	For this I would like to share my experience while working as Design Engineer in Preastans Pvt Ltd. Where my job is to design special purpose machines for our client companies. I have design the Conveyor system for material handling, where I am facing the issue while making sure the orientation of parts on conveyor.	In this situation, We are facing the issue that when our parts on conveyor are reaching to end, there orientation getting mismatched, so our next operation in assembly line facing problem, for this I have taken the initiative and suggested to use some sensor to detect orientations of parts and it will raised the alarm for that, Then someone working on line will correct the error and start running the conveyor properly.	Here I have given the low cost and more practical idea to solve the issue in real time, And because of this we have succeeded to increase productivity and safety in our machine. For this I got special recognition in our company.	From this I have learned how to solve real time problems in low cost and more effective way with some logical and common sense thinking.
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Leadership (e.g coordinated several people to achieve a goal, led a group but not successful)	I think for this I would like to share my experience as an Caption of kabaddi team of our college, where I have lead my team in college level tournament and we lost the first 2 matches very badly.	In this situation, we are facing the loss in 2 consecutive games, so my teams moral is down, and our players are started to judge. In this situation, I have taken the leadership and help to join our teams together and work toward the same goals. I have increased the confident of my teammates and they start to believe in themselves to win the games.	By this way, I have managed to win the Winner of the tournament title for my teams.	I have learned to lead the team of several peoples with different thinking to achieve same goals.
Planning & Organization (e.g overcame a tight timeline, handled multiple responsibilities, manage your time)	Here I would like to share my experience while working as Design Engineer in Preastons Pvt Ltd Company. Where I have given to design 3 projects	Here I have to work on the 3 projects simultaneously, where all of three are important clients for our company. For this, I have firstly stated the problem statements of all 3 project in my diary, then analyzed the difficulty levels of them according my skills. And made	I have successfully delivered the all 3 projects within given timelines and also got excellent remark for one of my	I have learned the planning and execution of that planning from this incident. This incident helped me to increase my multitasking ability.

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and prioritize tasks)	in 1 months deadline.	the priority list. I have made the slots in my day time in office for working on this projects, Then I allotted the slots to each projects according to their difficulty levels, I have given less slots for easy project and more slots for difficult and more complicated projects. I have worked according to my planned schedule for that month.	project from our client company.	
Problem-solving skills (e.g talk about a problem/obstacles faced to reach a goal and how you solved it)	I would like to share an experience in First year of the degree where we have Applied Mechanics subject, and I have failed to clear that, And I have started doubted myself because of the other seniors who have feed negative about this subject into my mind.	I have failed in this subject, then goes into depression for some days, Then I have ordered my exam sheet copy from university and studied where I have lacking. Firstly I have listed down my weak points in subject in the notebook. Then I have started to find proper noted on this topics from my seniors and library books, And I have made myself better in some topics. I have also used internet and YouTube to study more ways to solve same problems in that topic, which help me to gain confident on myself to become better in same topics.	I have score First class with distinction in this subject in my second attempt.	This problems helps to overcome my fears and become better version of myself with some practice and proper planning.
Teamwork (e.g when you worked on a team to achieve a goal; conflict faced when working on a team; working with a team member not cooperative)	For this I want to share my experience as a leader of our team with 12 members for a Car Racing Companion called Go-Kart Racing in Our college time. Where we have to design the car for racing and win the race on real track. In this teams we have 4 drivers who	In this incident, I am the team leader, So I have to listen for all 4 members, and give them equal opportunities, For this I have kept the meeting of all this 4 member for listening and understanding their opinions. Further I have got the main conflict issue is in our team which is all four members are thinking according to their own perspectives in race. Then I have studied there past experiences in driving , then I got to know that 2 of them are only have experience to drive non gear	By this processed I have succeeded to solve the conflicts in our team and choose the best Driver for our team. And further we have successfully completed our race competition with great scores.	I have learned to handle the conflicts in teams and solve them to get more productive results from the given team, with easy and effective ways.



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	wants to drive car in race but we need only one best , so we faced conflicts in our teams.	automatic cars, So I have convinced them for this cause our car is designed for gears system so they decided to back off. For remaining 2 I have kept small competitive task race in our college and decided to select winner from that.		
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