

Biswajeet SAHOO

PERSONAL DATA

PLACE AND DATE OF BIRTH: Cuttack , Odisha | 10 July 1999
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OBJECTIVE

To work on an organisation where the decision making matters so that I can nurture my aptitude, acumen , attitude and gain experience in solving the real-life industrial and business problems while contributing to the organisation.

EDUCATION

2017 - 2021 B Tech Degree in ELECTRONICS AND COMMUNICATION ENGINEERING,
Department of Electronics and Communication,**NIT Rourkela**, Odisha
CGPA: 8.76/10

2015 - 2017 Intermediate(12th) at **DAV Public School** Cuttack, Odisha
PERCENTAGE : 89

2015 Matriculation(10th) at **DAV Public School**, Cuttack, Odisha
CGPA: 10/10

WORK EXPERIENCE

SUMMER 2019 Summer Intern at IIT, GANDHINAGAR,
Worked as a tool developer in the project named "An interactive tool for the simulation of MOS Electrostatics". The tool has been made for the simulation of MOS Cap (2 terminal), 3 terminal MOS and 4 terminal MOS as well as has options for both n-type MOS and p-type MOS.The below is the link of the tool uploaded in nanoHUB:-
<https://nanohub.org/tools/mos>.

PROJECT WORK

LANE FOLLOWER BOT	Autonomous bot capable of following lane using on-board camera. The lane is made of black walls and white coloured track. The bot can detect leds on the walls and also detect the frequency of the led of the path.
INTELLIGENT GROUND VEHICLE	Autonomous bot capable of detecting the coloured shapes and move to follow the shape.The shape may be square, triangle, rectangle, circle, etc
ELECTRIC SOLAR POWERED VEHICLE	Team Project

	Solar powered vehicle which runs by 3 phase BLDC Hub motor. The solar power from the monocrystalline solar panels are stored in the Lithium polymer battery which is used to run the vehicle.
SEMI AUTONOMOUS BOT	Bot capable of picking a ball of any size(max size of Football) and placing it in a specific area and is controlled by Bluetooth module
LINE FOLLOWER BOT	Autonomous bot capable of following tricky lines and curved paths. It can also be used as a edge follower bot. The bots had to complete the tasks and challenges with the shortest time
4*4*4 LED CUBE	DIY project LED cube for various 3D pattern visualization.
BLUETOOTH CONTROLLED LED MATRIX	DIY project LED Matrix which shows can show any letter and some symbols.

TECHNICAL SKILLS

General Programming:	C, C++, Python, Data Structures(Certified)
Simulation Software :	Multisim, Gazebo, Proteus, AutoCAD
PCB Design software:	Eagle
Frameworks :	ROS(Robot Operating System), Qt, Open CV
Basic Knowledge:	PHP, myMySQL, HTML, CSS, Bootstrap, Codeigniter, LINUX , Latex
Other Software:	Matlab, Arduino, MS Powerpoint, MS Excel

SOFT SKILLS

Languages :	English - Professional Fluency Hindi - Basic Fluency Odia - Mother Tongue
Soft Skills :	Leadership Analytical Thinking The following section is a proven record of my soft skills

EXTRA CURRICULAR ACTIVITIES

CYBORG	Robotics and Automation Society Core Member , 2018 - Present IGV(Intelligent Ground Vehicle) - Project member Web Team Member
ASME	American Society of Mechanical Engineering (ASME) Vice Caption of Team ZON (Electric Solor Vehicle team)
NITRUTSAV 2019	Front end developer of NU website The annual cultural fest of NITR
INNOVISION 2018	Event Coordinator Tread-O-Quest Line Following Event
EPREUVE 2018	Front End Designer

MONDAY MORNING	Online cryptic hunt event Web developer
CREATE CLASSES	The official Newsletter Club of NIT Rourkela. Instructor
STUDENT COUNSELLING PROGRAM	Annual Robotics learning classes by Cyborg Mentor Addresses Academic, Financial, Mental and Socio-cultural issues, ensuring an enjoyable life for the freshmen.

ACCOMPLISHMENTS

2019	Best Diary Writing Award in SRIP(Summer Research Internship Program) 2019 in IIT Gandhinagar
2019	KSHITIJ 2019 Autonomous Robotics event, IIT Kharagpur - BEST ALGORITHM AWARD
2019	Participated in an International Competition SDC(Student Design Competition) in ASME E-Fest Asia Pacific 2019
2019	Participated in Saur Urja Vehicle Challenge (SUVC) 2k19. It is a National-level solar car racing event organized by government registered Refrangible Society (RSTE)
2018	Organising team member of ASME Efx,
2017	Won 3rd prize in Chemistry seminar and in some olympiads
SCHOOL LEVEL 2015	Won in several olympiads and other competitions

INTERESTS AND ACTIVITIES

INTEREST :	Robotics, Web Development, Programming
HOBBIES :	DIY(Do It Yourself) Projects, Reading blogs, Listening music, Playing Computer Games