

Satwik srimansu Sahoo



PERSONAL DATA

PLACE AND DATE OF BIRTH: Bhubaneswar, Odisha | 08 November 2001
ADDRESS: B-23/2, Infocity, Patia, Bhubaneswar
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EDUCATION

2020-PRESENT B.Tech. Degree in BIOMEDICAL ENGINEERING
National Institute of Technology, Rourkela
Advisor: Dr.Mirza Khalid Baig | CGPA: 8.06/10.0 | [Gradecard](#)

MAY 2020 Intermediate in SCIENCE and MATHS
CBSE: **DAV Public School, Chandrasekharpur**
Percentage: 92.8%

MAY 2018 Matriculation
ICSE: **Loyola School**, Bhubaneswar
Percentage: 94%

SKILLS

Programming: AI , ML, DEEP LEARNING
Operating Systems: WINDOWS
Softwares: MATLAB
Languages: C++, PYTHON, JAVA

PROJECTS

JUNE 2022 NIT Rourkela, Odisha
Optical Interferometer
Did review paper for different types of Interferometers and their status quo in present times. Studied the structures and future of such instruments and how can it be used for better machines. Did a study of dynamic and real time approaches needed to make it more efficient.

DECEMBER 2022 IIT Guwahati, Assam
Digital Holography Microscopy
Worked in the field of digital holography interferometry and microscopy as winter internship. Got first hand experience upon the working of Mach-Zehnder Interferometer, Hologram generation. During the period we developed the reconstruction algorithm in python and designed a program for graphical user interface. Also developed a special code to access the camera directly for convenience. Gained more deeper insights into hologram reconstruction and its manipulation.

EXTRA CURRICULAR ACTIVITIES

2015-2018	<i>Cadet, SCOUT AND GUIDES</i> Governor Award Holder I have been part of several camps and rallies organised by our unit. Led my team in the camps.Organised tableaux and demo markets.I have been an ardent participants in all service oriented programs like helping city traffic to distribution of food and water in summer.
2019 - 2020	<i>Team Head, SCIENCE SEMINAR TEAM</i> I have led my Chemistry seminar body to first prizein seminar on environmental problems and their solutions with our performance in showcasing the Ozone problem.
2014 - 18	<i>Practitioner, SHOTUKAI JAPAN KARATE</i> I have been part of several zonal round competition in karate tournaments with securing two gold and one silver. I am a Blue belt holder in Karate.
2020 - PRESENT	<i>General Secretary, AASRA SOCIAL CLUB</i> I have been a part of this extensive free student teaching program for orphan children with teaching experience of 2 yrs. We also organise Diya Project to help women diya makers to earn money on their homemade diyas.As a secretary I try extensively contribute to these upliftment programs.

ACADEMIC ACHIEVEMENTS

AUGUST, 2017	Winner of Innovative Project by Institute of Physics,BBSR for ROTAST(Human rescuing Machine)
SEPT 2016	Zonal Round Gold Medal in Science Olympiad by SOF

SCHOLARSHIPS AND CERTIFICATES [PDF](#)

DECEMBER 2015	Scholarship for students with an outstanding curriculum in Science. (€30,000)
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INTERESTS AND ACTIVITIES

machines, robots, travelling, football, painting, crafting, swimming, badminton, novels, PCB design, Stock market, website design and content writing