SOUHITYA KUNDU

Fast & Avid Learner ! Enthusiastic About Science & Technology !

"My Physics background has given me a great research and hands-on experience till date. Challenges do excite me ! Want to strive forward and keep on learning and growing in the future."

CONTACT

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- Souhitya Kundu

SKILLS

Programming

Python
Matlab
C
HTML
JavaScript

Operating Systems

Linux
Windows

Software & Tools

MS Office
Visualisation
(e.g. VMD,matplotlib ...)
Latex
Data Analysis
(e.g. Xmgrace,numpy)
Gromacs

Soft Skills

Communication
Presentation
Team-Player
Creativity

Languages

English
Bengali
Hindi

HOBBIES

Driving
Singing
Playing Cricket,Football, TT
Photography

EDUCATION

2022-present
Indian Institute of Technology, Jodhpur
MTech Materials Engineering

2020-2022
Indian Institute of Technology, Jodhpur
MSc Physics (CGPA- 8.4)

2016-2020
Asutosh college, Kolkata
(University of Calcutta)
BSc Physics(Honours) (75% marks)

2014-2016
St. Xavier's Institution, Kolkata
(ISC)
Science Degree (92.5% marks)

TRAININGS & INTERNSHIPS

Present
Bolt IoT
(Inventrom Private Limited)
Training on Internet of Things and Machine Learning

PROJECTS

- **ION TRANSPORT AND SOLVATION STUDIES IN COMPOSITE MEMBRANES :** My team was focused on the MD simulation project for an ion transport system and development of a new generation bio-compatible membrane. The data analysis part of this project was jointly carried forward by me alongwith my team. The project also successfully turned out to be my MSc thesis work as well.
- **A PLANT LIGHT MONITOR SYSTEM:** I built it using the bolt ESP8266 module, resistors and LDR to sense the incoming photons.After that connections were made to integrate with the cloud and hence the corresponding code was attached to the product, hence deployed.The light intensity detection took place after every 5 minutes and data was noted which could further be plotted as well, to check the trend. This type of devices can actually help in real world scenario to assess the incoming photons for a 24 hour limit or even more, and hence can come to use whenever required, not necessarily for plant light monitoring only.

ACHIEVEMENTS, CERTIFICATES

- Kaggle: Python Course Certificate
- Kaggle: Introduction to python programming Certificate
- Certificate for attending ICTP seminar of Italy,held online on " Random Graphs,Statistical Physics for Machine learning and inference"
- Course Completion Certificate of MATLAB
- Secured AIR-692 in JAM Exam