ARGHA SEN

@ arghasen10@gmail.com   ⚲ Birbhum, West Bengal, India   in https://www.linkedin.com/in/arghasen10   ⌂ https://arghasen10.github.io

EXPERIENCE / INTERNSHIPS

Summer Research Intern

Electro Optical Tracking System (DRDO)

📅 May 2019 – July 2019   ⚲ ITR Chandipur, Odisha, India

- Project Title
  3D Tracking and Geo-Localization of a target using Unmanned Aerial Vehicles

Winter Research Intern

MCNRG, NIT Durgapur

📅 Dec 2018 – Jan 2019   ⚲ NIT DURGAPUR, India

- Project Title
  Aerial Environment Sensing and Traffic Surveillance using sensor enabled Drone/UAV
- Project Title
  Detecting Acceptable Air Contamination in Classrooms using Low Cost Sensors

Summer IoT Intern

CRIOTAM, Bangalore

📅 May 2018 – July 2018   ⚲ Bangalore, India

- Designed and developed three IoT prototypes for Sports Authority of India. (Starting Block, Force Plate, Timing Gates) and corresponding Android App for Data Visualisation
- Developed a Facial Recognition system as a LockOut-Tagout (LOTO) system for Industrial IoT. • Created a thorough dataset of 3 employees using OpenCV.

PUBLICATIONS

- Poster titled as "An ns3-based Energy Module of 5G NR User Equipments for Millimeter wave Networks", Poster Presentation, **IEEE INFOCOM (2021)**
  Authors: *Argha Sen*, Abhijit Mondal, Basabdatta Palit, Jay Jayatheerthan, Krishna Paul, Sandip Chakraborty
- Workshop Paper titled as " Exploring Collision Avoidance during Communication Over Sound for Healthy Environment", International Workshop on Societal Computing for the Internet of Things & You, **SoCIeTY, ICDCN (2020)**
  Authors: Praveen Kumar Sharma, Suraj Gupta, *Argha Sen*, Tanmay De, Sujoy Saha
- Research Paper titled as " Intelligent Traffic Routing Based on Real-Time Congestion Analysis", M V Chauhan Student Paper Contest, **IEEE INDICON (2019)**
  Authors: *Argha Sen*, Monsij Biswal, Shreyan Datta

COURSES / CERTIFICATIONS

- IoT Weather Monitoring System with Raspberry Pi, Skyfi Labs (Dec 2017)
- 7 ROBOTS Combo Course from Skyfi Labs

AREAS OF INTEREST

Next Gen Cellular Networks

Energy Efficient Core Network Design

ABR Streaming   Computer Networks

IoT

EDUCATION

Indian Institute of Technology, Kharagpur

Doctor of Philosophy, Department of Computer Science and Engineering

📅 2021 - present   ⚲ Kharagpur, West Bengal

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National Institute of Technology, Durgapur

Bachelor of Technology, Electronics and Communication Engineering

📅 2020   ⚲ Durgapur, West Bengal

- CGPA: 8.97

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Jawahar Navodaya Vidyalaya (CBSE)

📅 2016   ⚲ Birbhum, West Bengal

- Class XII Aggregate Percentage: 95.4%
- Class X Cum.GPA: 9.8/10

ACHIEVEMENTS

- Best Project Award at ITR Chandipur, DRDO.
- As a VICE Captain Represented Team Robocon NIT Durgapur at National Level Robotics Competition, Robocon India, 2019 and in Stage 1 secured 25th rank in all over India. Secured 2nd position among all NITs.
- Participated in Festival of Innovation and Entrepreneurship (FINE) 2019 at NIF Gandhinagar, Gujarat.
- 1st Position in Techmela, The annual science exhibition organized in AAROHAN 2019
- 1st Position in Onspot IoT Hackathon organised in AAROHAN 2019

CO-CURRICULAR WORK

- Participated in Stage play,Carpe Diem,2017, IIM Calcutta and won 3rd Position
- Took part in Street Play Competetion, Spring Fest, IIT Kharagpur and won 1st Position