SAYAN KARMAKAR

Student of **B.E. Instrumentation and Electronics Engineering** at Jadavpur University (2018-22) **(CGPA – 8.15)**

PROFILE

A Prefinal Year Student who wants to change the world one bit at a time. Machine Learning Enthusiast. Robotics always excites me. Curious about growth, innovation and start-ups. Looking for Internships and Research Opportunities

DATE OF BIRTH

12th September 1998

CONTACT

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Barobazar, Katwa,
Purba Bardhamman, 713130,
West Bengal, India

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VOLUNTEERING ACTIVITIES

- Instructor at "PCB Designing – For Beginners" - JU

- Videographer of TEDx – Jadavpur University 2019

- OC for SRIJAN 2019,2020 – Techno-Management Fest of JU

- Winner of White Collar 2019 conducted by JU E-Cell

EDUCATION

Katwa Bharati Bhaban
2015-2017
W.B.C.H.S.E - 82.20%
Lead of the Robotics and Science Club of Katwa Bharati Bhaban

Bidhan School, Durgapur
2013 - 2015
I.C.S.E.- 89.0%

WORK EXPERIENCE

Low-cost air pollution monitoring device based on air quality index – I3SET2k19 (December 2019).
Developed the complete architecture of monitoring for the array of sensors and helped in making the Android Application. Electronic copy of the paper is available at - https://ssrn.com/abstract=3515043

Development of an IOT based robust architecture for environmental monitoring using UAV – IEEE Indicon 2019 (October 2019)
Developed the complete architecture of monitoring any areas' various gases using different sensors. Developing an UI for the Electronic Nose.

Crusade – Image Processing Bot (March 2019)
Making a bot capable of Video Feed Capturing and processing in Laptop transmitted through Wi-Fi for Kshitij – The Techfest of IIT Kharagpur.

Hand Gesture Controlled Mouse using Python/OpenCV (May 2019)
Using the OpenCV Library to simulate the job of the Mouse.

COURSES

Electronic Devices, Circuit Theory, Electronic Circuits, 8051 Microcontroller, Computer Networking

SOFTWARES AND SKILLS

C, C++, Python, Java and Arduino

Circuit Simulation Software's – Multisim, VHDL, Logisim, MATLAB

Platform – Windows/Linus/Ubuntu

Miscellaneous – Microsoft Office, Adobe Premiere Pro.