

# SAYAN KARMAKAR

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

**Upcoming Software Engineer (Avionics) at Airbus India.**

## PROFILE

A Final Year Undergrad Student who wants to change the world one bit at a time. Machine Learning Enthusiast. Robotics always excites me. Curious about Game Development. Looking for Internships and Research Opportunities.

## DATE OF BIRTH

12<sup>th</sup> September 1998

## CONTACT

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## POSITION OF RESPONSIBILITY

- 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%

## PROJECTS

**Low-cost air pollution monitoring device based on air quality index –**

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**

Developed the complete architecture of monitoring any areas' various gases using different sensors. Developing an UI for the Electronic Nose.

**Crusade – Image Processing Bot**

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**

Using the OpenCV Library to simulate the job of the Mouse.

## COURSES

Data Structures and Algorithms, Computer Networking, Digital Logic Design

## SOFTWARES AND SKILLS

**C, C++, Python, Java and Arduino**

**Platform** – Windows/Linux/Ubuntu

**Miscellaneous** – Microsoft Office, Adobe Premiere Pro.