

# SOURIK PRAKASH KABI

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## SKILLS

- Python
- SQL
- HTML
- Bootstrap
- C
- PL/SQL
- CSS
- JavaScript



## EDUCATION

**B.Tech. | Asansol Engineering College**

2017 - 2021

Currently in 3<sup>rd</sup> year of study with an average CGPA of 9.36.

**10 + 2 | DAV Public School**

2017

Under CBSE board, Percentage - 89%.

**10 | DAV Public School**

2015

Under CBSE board, CGPA - 9.4.



## TRAINING ATTENDED



**UI APPLICATION DEVELOPMENT**

24-Feb-20 – 28-Feb-20



**SQL AND PL/SQL USING ORACLE**

17-Feb-20 – 21-Feb-20



**BASIC COMMUNICATION**

Jan-18



## VOLUNTEERING



**ELEC RAMA 2020**

SERVICE PARTNER

Served in the Reverse Buyer-Seller Meet (ChangeXchange) organising team in ELEC RAMA 2020 held at India Expo Mart, Greater Noida from 18-Jan-20 – 22-Jan-20, organized by IEEMA.



**Electronics Innovation 6.0**

COORDINATOR

Served as IEI Coordinator in Competition cum Exhibition EI 6.0 organized by ECE department, Asansol Engineering College and IEI Students' Chapter.



**Electronics Innovation 5.0**

VOLUNTEER

Served as volunteer in Competition cum Exhibition EI 5.0 organized by ECE department, Asansol Engineering College and IEI Students' Chapter.



## WORKSHOPS ATTENDED



**z/OS INTRODUCTION AND WORKSHOP**

4.5 days workshop in the month of Feb-20 from IBM Dallas.



**QUADCOPTER DRONES**

11-Sep-17 – 13-Sep-17 at Asansol Engineering college. Received Certificate of Merit for outstanding performance.



## CERTIFICATIONS



### IBM MASTER THE MAINFRAME 2019 PART 2

Practical experience badge.



### INTRODUCTION TO PROGRAMMING IN C

Jul-19 – Sep-19 from IIT Kanpur. Score - 85%.  
Received Elite + Silver Certification.



### PRACTICAL WEB DEVELOPMENT

11.5 hours course from Creative Online  
School & Udemmy.



## ACHIEVEMENTS



### ACADEMIC

- Academic Excellence award winner for being Departmental Topper (1<sup>st</sup> year) with YGPA of 9.23.
- Academic Excellence award winner for being Departmental Topper (2<sup>nd</sup> year) with YGPA of 9.6.



### CO-CURRICULUR

- Mr AEC 2019 (Fashion Show) - Winner.
- Mr Fresher 2017 - Winner.
- Open-mic – 2<sup>nd</sup> runner up.
- Circuito (Tech fest competition) – 1<sup>st</sup> runner up.



### PROJECTS

#### Rear-end Collision Avoider

Built for the sole purpose of avoiding rear-end vehicle collisions which are a common thing to be observed in daily life, thus reducing road accidents.

**Components used:** Arduino Uno, HC-SR04 Ultrasonic Sensor, L298N Motor Driver.

The ultrasonic sensor produces ultrasonic sound which travels in air with a speed of 343 m/s, when the sound collides with an obstacle it returns back to the sensor and the Arduino calculates the time between transmission and reception of the ultrasonic sound, and using it in the formula  $\text{Distance} = (\text{Time} \times \text{Speed}) / 2$ , distance between the vehicle in which it is installed and the obstacle is calculated and the vehicle is slowed down, stopped or allowed to run based on the conditions stored in the Arduino.

#### Safe Gun

Fingerprint technology based gun built to stop unauthorized people from using guns. It will also prevent gun snatching incidents from Police officials.

**Components used:** Arduino Uno, FPM10A Fingerprint Sensor, Servo Motor, Toy Gun.

Fingerprint of authorised user of the gun (single user) or fingerprints of policemen (multiple user) is stored in the fingerprint module using Arduino programming. The trigger of the gun remains locked all the time. When a person places his/her finger in the sensor the sensor scans it and then matches it with the fingerprints already stored in it and if a proper match is found the trigger is unlocked, it stays locked otherwise.