# Moinak Bose

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## EDUCATION

### KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY
B.Tech in Electronics and Computer Science Engineering
June 2022 | Bhubaneshwar, Odisha
Cum. GPA: 3.19 / 4.0
Current CGPA: 7.99 / 10.0

### SALT LAKE POINT SCHOOL
Grad. May 2018| Kolkata, India

### W.W.A. COSSIPORE ENGLISH SCHOOL
Grad. May 2016| Kolkata, India

## LINKS

Github:// **MOINAKBOSS**
LinkedIn:// **moinak-bose**
YouTube:// **MoinakBose**
Kaggle:// **moinakboss**
Google Scholar:// **Moinak Bose**

## COURSEWORK

### UNDERGRADUATE
Operating Systems
Analog Electronics
Digital Electronics
Microporcessors and Microcontrollers
Signals and Systems
VLSI
Big Data
Data Analysis

### COURSES
Machine Learning
Data Science
Artificial Intelligence
Power Electronics
Internet of Things

## SKILLS

### PROGRAMMING
Over 1500 lines:
Java • C • Python • Javascript
C++ • Keras • LaTeX
Over 500 lines:
TensorFlow • PyTorch • CSS • PHP • Assembly
Familiar:
Matlab • Android • MySQL

## EXPERIENCE

### HIGH RADIUS CORPORATION | Product and Engineering Intern
Jan 2021 - Present | Bhubaneshwar, Odisha

### FOXMULA MICROSOFT TECHNOLOGY ASSOCIATE | Web Development Intern
Jan 2019 - Mar 2019 | Bhubaneshwar, Odisha

## RESEARCH

**PROJECTS**  Forest Fire Detection System
The system uses the components like node mcu, LoRa, DHT Sensor, and MQ2 sensors to detect change in temp. and air pressure and gas and detect fire around it accordingly and inform it through the server.

Flight Price Prediction
The model uses standard Data Analysis procedure and Random Forest Algorithm to solve the issue.

Smart Plug System
It's a portable plug system that models any normal extension cord model. It can be attached to any switchboard plug which would allow the user to have 3-4 smart plugs that can be operated by the users mobile through a wireless network.

Wireless Obstacle Detector and Line follower bot
It used components like bluetooth module, arduino, motor driver, ultrasonic sensor and ir sensors to be controlled in 3 different ways.

Water Level Indicator
Electric circuit detecting the level of water and controlling the motor of the water pump accordingly.

**POSTER**  |GAN : The tool of the future!
PyCon US 2021

## PUBLICATIONS

[1]  S. Ghosh and M. Bose. A study on smart irrigation system using iot machine learning. *International Research Journal of Engineering and Technology*, 2020.

[2]  S. Ghosh, M. Bose, and A. Kudeshia. Gps and gsm enabled smart blind stick. *International Conference on Communication, Circuits, and Systems, Springer*, 2020.

[3]  K. Santosh, S. Ghosh, and M. Bose. Ret-gan: Retinal image enhancement using generative adversarial network. *Computer-based Medical Systems, 2021*, in press.

## ACHIEVEMENTS

Scholar | World Quant University | Mar 2020 - Sept 2020
Content Developement Intern | ProtectPay | Protrainy | Mar 2020 - Dec 2020
Director | KIIT International MUN
Organizer | KIIT Fest