

Moinak Bose

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EDUCATION

KIIT

**B.TECH IN ELECTRONICS AND
COMPUTER SCIENCE ENGINEERING**
June 2022 | Bhubaneswar, Odisha
Cum. GPA: 3.3 / 4.0
Current CGPA: 7.99 / 10.0

SALT LAKE POINT SCHOOL

Grad. May 2018 | Kolkata, India

LINKS

[Github](#) | [LinkedIn](#) | [ResearchGate](#) |
[Kaggle](#) | [Google Scholar](#)

POSTER

GAN : THE TOOL OF THE FUTURE!
PyCon US 2021

COURSEWORK

UNDERGRADUATE

Operating Systems
Analog Electronics
Digital Electronics
Microprocessors 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 | Bhubaneswar, Odisha

FOXMULA MICROSOFT TECHNOLOGY ASSOCIATE | WEB DEVELOPMENT INTERN

Jan 2019 - Mar 2019 | Bhubaneswar, Odisha

RESEARCH

PROJECTS

1. 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.

2. Flight Price Prediction

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

3. 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.

4. 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.

5. Water Level Indicator

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

PUBLICATIONS

1. RET-gan: Retinal image enhancement using Generative Adversarial Network

IEEE Computer Based Medical Systems, 2021

2. Covid-19 analysis using chest ct scans and X-rays: A review

Pattern Recognition, Elsevier

3. GPS and GSM enabled smart blind stick

International Conference on Communication, Circuits, and Systems, Springer 2020

4. Alzheimer's Disease Detection using Ensemble Learning and ANNs

Recent Trends in Image Processing Pattern Recognition (RTIP2R) Springer 2021

5. Supervised neural networks for fruit identification

Recent Trends in Image Processing Pattern Recognition (RTIP2R) Springer 2021

ACHIEVEMENTS

Scholar | World Quant University | Mar 2020 - Sept 2020

Content Development Intern | ProtectPay | Protrainy | Mar 2020 - Dec 2020

Director | KIIT International MUN

Volunteer | KIIT Youth Red Cross Society

Organizer | KIIT Fest