

# Rudraneel Dutta

+91-8617705295 | [its.rudraneel@gmail.com](mailto:its.rudraneel@gmail.com) | [linkedin.com/in/its-rudraneel](https://www.linkedin.com/in/its-rudraneel) | [github.com/rudyoactiv](https://github.com/rudyoactiv)

## TECHNICAL SKILLS

---

**Languages:** Java, Kotlin, C/C++, JavaScript, HTML/CSS, Python, SQL

**Frameworks:** React, ThreeJS, Arduino, Scikit-learn

**Domains:** Cybersecurity, Web Development, 3D Printing, IoT, Machine Learning

## EXPERIENCE

---

### Ministry of Electronics and Information Technology (MEITY), Government of India

#### Cybersecurity & Digital Forensics Intern

National Institute of Electronics & Information Technology

May 2023 – June 2023

- Internship as **Cybersecurity & Digital Forensics Analyst** with hands-on experience in handling live cases pertaining to *cybercrime* and *data retrieval*.
- Analysis of evidence material on hardware pertaining to ongoing cases.

#### Guest Speaker

National Institute of Electronics & Information Technology

May 2023

- Spoke on exploring Rapid Prototyping in the field of Handicrafts and Textiles and its future.
- Conducted training sessions & workshops for students and faculty on 3D modelling and 3D printing.

#### Associate

Ministry of Electronics and Information Technology (MEITY)

November 2021

- Participated in the “Digital Intervention on Handloom and Handicraft Sector” exposition at Hornbill Festival, 2021, in the field of “**Rapid Prototyping**”.
- Demonstrated the advantages of **3D Printing** to state officials pertaining to rural development and the Indian Handicrafts sector.

### IoT Lab, KIIT

#### Team Lead

Kalinga Institute of Industrial Technology

June 2023 - Present

- Development and Implementation of multiple IoT-based solutions following best practices and industry standards using tools such as **Arduino** to drive scalability and interoperability.
- Set up the 3D Printing Domain as Founding Member. Conducted several workshops and seminars on Rapid Prototyping.

## PROJECTS

---

### 3D Model Editor Web App | JavaScript, HTML/CSS, React, ThreeJS

May 2023

- A Web Application built in JavaScript, using frameworks like ThreeJS, and CSG to customize and generate 3D Models in a simulated environment.
- Allow optimization of models to be 3D Printing ready.

### Portfolio Website | JavaScript, HTML/CSS, React, ThreeJS, Firebase

June 2023

- A full-stack portfolio website project built using modern frameworks like React with Google Firebase to handle backend and real-time data with a responsive UI design to adapt to a wide range of screen sizes.

### Question Paper Analyzer | Python, SciKit, NLTK, PyTesseract

July 2023

- OCR-powered tool for efficient question extraction from PDFs using Natural Language Processing (NLP) and Latent Dirichlet Allocation (LDA) for accurate topic modeling and **Natural Language Processing**.
- Utilized PyLDAvis to create an interactive visualization that graphically displays the identified topics.

## EDUCATION

---

**Kalinga Institute of Industrial Technology** B. Tech CSE (2021 – 2025)

**La Martiniere for Boys, Calcutta** ICSE, ISC (2006 – 2021)