

# SUKANYA BAG

+91-8479000616 · sukannya472@gmail.com  
linkedin.com/in/sukannya · bio.link/sukannya

## EDUCATION

| Degree                                       | Institute/Board                | CGPA/Percentage | Year |
|--|--------------------------------|-----------------|------|
| B. Tech. in Computer Science and Engineering | Haldia Institute of Technology | 9.16(6th Sem)   | 2023 |
| Higher Secondary (PCMB)                      | WBCHSE                         | 75.0%           | 2019 |
| Secondary                                    | WBBSE                          | 86.5%           | 2017 |

## INTERNSHIPS

- **Summer Research Intern** July 2022  
*International Institute Of Information Technology, Hyderabad*
  - Worked as a research assistant at LTRC (Language Technologies Research Center) on Machine Translation, Conversational AI. Assisted research on Low Resource Indian Language Translation, multilingual NLI, adversarial learning on text data.
- **Machine Learning Engineering Intern** Jan 2022  
*Indian Institute of Technology, Bombay*
  - Worked on project 'Lokavidya' to build a Course-Recommendation System pipeline with Cosine Similarity. Organized and created hands-on sessions and tutorials in Deep Learning and Machine Learning for beginners.
- **Data Science Intern** Dec 2021  
*Ineuron.ai, Bangalore*
  - Build an end to end content-generation app with NLP algorithms like BERT variants and GPT 3. Used Named Entity Recognition to extract and detect useful information from large text data. Developed keyword-extraction model with the help of SpaCy that performs for resume shortlisting

## PROJECTS

- **Covid19 Detector from Chest X-rays [Web Application]** Aug 2020  
*Personal Project* bit.ly/3RwWFaz
  - Developed a Covid19 detection application using Deep Learning (CNN) with Keras and TensorFlow. It takes a chest X-Ray image of patient as input and outputs if the patient is Covid19 positive or negative based on probability score. Developed web application using Flask.
- **E-Commerce Store API [RESTful API Service]** Jan 2022  
*Personal Project* bit.ly/3v5q4iP
  - An E-Commerce Store API developed with Flask using REST standards. Performed incremental feature delivery (AGILE standards), unit and integration testing of the API on Postman Client.
  - Added serialization and deserialization with Marshmallow, advance E-mail confirmation, JWT authentication and authorization. Integrated image uploads, database migrations and third party login with OAuth.

## CERTIFICATIONS AND ACHIEVEMENTS

- **Winner of Analytics Vidhya's Data Science Blogathon'25** Nov 2022  
*Analytics Vidhya* bit.ly/3NUWgNY
  - Link to article at 3rd Position - bit.ly/3TI6Adz and other blogs published at bit.ly/3yGzaDE
- **Infosys Certified Python Programmer** Feb 2022  
*Infosys Springboard* bit.ly/3uKj7U6
- **Data Scientist With Python** June 2021  
*Datacamp* bit.ly/3O0RX1Z

\*Link to other Certifications in [LinkedIn](#)

## TECHNICAL SKILLS

- **Programming Languages** : Python, Java
- **Technologies** : Data Analysis, Data Science, Machine Learning, NLP, Deep Learning, REST API\*, Web Development\*
- **Miscellaneous** : Jupyter, Scikit Learn, TensorFlow, Keras, PostgreSQL, Visual Studio Code, Git, GitHub, GCP\*  
\*Elementary proficiency