SUKANYA BAG

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EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
B. Tech. in Computer Science and Engineering	Haldia Institute of Technology	8.96(5th 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, third party login with OAuth and secure payments with Stripe.

CERTIFICATIONS AND ACHIEVEMENTS

- **Data Scientist With Python** *June 2021*

  Datacamp bit.ly/3O0RX1Z

- **Infosys Certified Python Programmer** *Feb 2022*

  Infosys Springboard bit.ly/3uKj7U6

- **6th Position among 122 at Analytics Vidhya's Data Science Blogathon 20** *May 2022*

  Analytics Vidhya bit.ly/3yA5Sq3

  – Link to article at 6th Global Rank - bit.ly/3PcVbjY and other blogs published - bit.ly/3yGzaDE

*Link to other Certifications in <u>LinkedIn</u>

TECHNICAL SKILLS

- **Programming Languages** : Java, Python

- **Technologies** : REST API*, Web Development*, Data Science, Machine Learning, Deep Learning

- **Miscellaneous** : PostgreSQL, Visual Studio Code, Jupyter, Scikit Learn, TensorFlow, Keras, Git, GitHub, GCP*

*Elementary proficiency