

Sukanya Bag

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EXPERIENCE

IIT, Bombay

Jul. 2021– Jan. 2022

Machine Learning Engineering Intern

- Developed end to end Content-based, Collaborative and Utility-based Recommender Systems
- Worked on Sentiment Analysis of user reviews on various web services.
- Developed conversational AI assistant for user support.
- Used AWS to deploy Machine Learning models and Heroku for hosting web applications.
- Worked on Model Retraining and MLOPs cycle.

Ineuron.ai

Sep. 2021 – Dec. 2021

Data Science Intern

- Developed end to end text-generation application for content creation using Natural Language Processing

Appcilious Pvt. Ltd.

Aug. 2020 – Oct. 2020

Machine Learning Intern

- Worked on semantic image segmentation for removing background from pictures with-
- U-Net CNN model, Tensorflow.js bodypix model.
- Web application deployed on AWS and Heroku.
- Making AI Chatbots with state of the art models like Transformers and Bert (xl) implemented with Tensorflow. Worked on chatbot development with RASA NLU.
- Used AWS to deploy Machine Learning models and Heroku for hosting web applications.
- Facebook Friends Recommendation System (Case study)

Technocolabs Softwares

Aug. 2020 – Sep. 2020

Data Analyst Intern

Performed Advanced Data Analytics on -

- U.S. Bureau of Labor Statistics
- Corona Virus Spread Across India and other factors affecting the economy curve due to lockdown.

PROJECTS

COVID19 DETECTION APPLICATION

- The application uses Deep Learning to automatically detect whether a person is Covid +ve or -ve on inputting a hand-created X-ray image of their chest.

FACE MASK DETECTOR ANDROID APPLICATION

- Developed a responsive android app using Flutter and TensorFlow lite that uses Computer Vision to detect if an individual is wearing mask.

IMAGE CAPTIONS GENERATOR ANDROID APPLICATION

- Developed a responsive android app using Flutter and TensorFlow lite that uses NLP to generate captions from images.

LIVE OBJECT DETECTION ANDROID APPLICATION

- Developed a responsive android app using Flutter and TensorFlow lite that uses Computer Vision to detect objects in real-time.

Other projects- [GitHub](#)

EDUCATION

Haldia Institute of Technology

Aug. 2019 – Aug 2023

Bachelor of Technology in Computer Science and Engineering

• YGPA (As of 2nd year) – 9.30

Bidya Bharati Girls' High School

graduation year- 2019

12th Boards percentage – 75% (concentration – PCMB)

passing year- 2019

10th Boards percentage – 86%

passing year- 2017

SKILLS

Languages : Python, Java, HTML/CSS, SQL (PostgreSQL, MySQL), Dart

Tools : VS Code, Jupyter, Google Colaboratory, Spyder, Google Analytics, GitHub

Platforms: Google Cloud Platform, AWS

Technologies – Data Analytics, Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Web Development, App Development

CERTIFICATIONS

Datacamp certified **Data Scientist with Python**

DeepLearning.AI certified **Tensorflow Developer Specialization**

IBM certified **Data Science Professional Specialization**

Machine Learning Certification by Stanford University