

Sukanya Bag

Software Engineer

A multi-skilled programmer specialized in Data Science and AI. An aspiring researcher in the field of Transfer Learning, Natural Language Processing and Computer Vision. I love to discover and learn more about AI every day, and extremely proactive and passionate about solving challenges in technology and AI.



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EDUCATION

Bachelor of Technology in Computer Science and Engineering

Haldia Institute of Technology

08/2019 - Present

GPA - 8.90

High School - 12th Grade

Bidya Bharati Girls' High School

01/2017 - 03/2019

Aggregate- 75.00%

Courses

- Pure Science Stream(PCMB)

WORK EXPERIENCE

Summer Research Intern

IIIT Hyderabad

05/2022 - Present

Hyderabad

Achievements/Tasks

- Working as a research assistant at LTRC (Language Technologies Research Center) on Speech Language Processing & Conversational-AI.

Jr. Data Scientist Intern

Zummit Infolabs

01/2022 - Present

Bangalore, Karnataka

Achievements/Tasks

- Performed data analysis, preprocessing & feature-engineering to find patterns in data for predictive modelling. Developed a stock-price prediction tool using a Random Forest Regressor, LSTM and ANNs. Developed an emotion-detection model with Transfer-learning.

Machine Learning Engineering Intern

Indian Institute of Technology, Bombay

07/2021 - 01/2022

Bombay, Maharashtra

Achievements/Tasks

- 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

iNeuron.ai

09/2021 - 12/2021

Bangalore, Karnataka

Achievements/Tasks

- Build an end to end content-generation app with transfer-learning 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.

SKILLS

Natural Language Processing

Machine Learning

Deep Learning

SQL

Data Science and Analytics

Technical Blogging

Python

Computer Vision

PROJECTS

Real-Time Pose Estimator (11/2021 - 12/2021)

- Android application built with Flutter and TensorFlow Lite that leverages PoseNet model to detect human pose in real-time.

Detecting Contradictions and Entailment in Multilingual Text (09/2021 - 11/2021)

- A case study of NLI (Natural Language Inferencing) with Transfer Learning, where, given a pair of premises and hypothesis, the model recognizes entailment, contradiction and neutrality and is trained in 15 languages.

COVID-19 Detector Web Application (08/2020 - 10/2020)

- An application that uses Convolutional Neural Networks to automatically detect Coronavirus disease from hand-created chest X-Ray images.

CERTIFICATIONS / ACHIEVEMENTS

Infosys Certified Python Programmer (02/2022)

Datacamp certified Data Scientist with Python (06/2021)

DeepLearning.AI certified TensorFlow Developer Specialization (09/2020)

IBM certified Data Science Professional Specialization (09/2020)

Ultimate Milestone Achiever in Google Cloud Ready Program (06/2021)

Received AWS Machine Learning Scholarship 2021 by Udacity & Amazon Web Services (06/2021)

Ranked in top 20 (18th Pos) on Kaggle's Contradictory, My Dear Watson Competition (09/2021 - 09/2021)

Ranked in top 30 at National Level Python Quiz organized by AICTE(Score - 100/100) (05/2020)