

Sukanya Bag

Software Engineer

A multi-skilled programmer specialized in Applied Data Science, dedicated to developing applications that solves complex business problems, and brings value to people. A self-motivated and proactive individual who loves to face challenges and is focused on expanding the existing skill-set.



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EDUCATION

Bachelor of Technology in Computer Science and Engineering

Haldia Institute of Technology

08/2019 - Present

CGPA - 9.25

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

08/2022 - Present

Hyderabad

Achievements/Tasks

- Working as a research assistant at LTRC (Language Technologies Research Center) on Machine Translation & Conversational-AI. Assisting research on Low Resource Indian Language Translation, multilingual NLI, adversarial learning on text data.

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 Random Forest, 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

Data Structures and Algorithms

Python

Java

SQL

Flask

REST API

Machine Learning(NLP+DL)

Data Science and Analytics

Technical Blogging

Flutter & Dart

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)