

Sukanya Bag

Software Engineer

A multi-skilled programmer specialized in Data Science and AI. Passionate about building software that brings value. Extremely proactive and motivated to face challenges and expand my skill set.



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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

Jr. Data Scientist Intern

Zummit Infolabs

02/2022 - Present

Bangalore, Karnataka

Achievements/Tasks

- Performing advanced data-analysis, data-preprocessing & feature-engineering to find patterns in data for predictive modelling.
- Performed stock-price prediction using a Random Forest Regressor, Long Short Term Memory and Artificial Neural Networks.
- Building an emotion-detection model with Transfer-learning to manage employee stress and improve their mental-health.

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.
- 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 Natural Language Processing. Used Named Entity Recognition to extract and detect useful information from large text data.

SKILLS

Machine Learning

Deep Learning & NLP

SQL

Data Science

Data Structures and Algorithms

Flask

APIs

Flutter

MERN

Git & GitHub

Technical Blogging

Python

Java

Javascript

Dart

GCP

PROJECTS

Ecommerce Store API (01/2022 - Present)

- Developed a RESTful Ecommerce Store API using Flask, Flask SQLAlchemy as an ORM tool, added authentication and authorization with Flask-JWT.
- Added serialization with Marshmallow, advance email confirmations, image uploads, database migrations.
- Added third party login with OAuth and payments with Stripe. Performed API tests on postman and documented final API.

Pose Estimator Android Application (11/2021 - 12/2021)

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

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