Sukanya Bag

Software Engineer

A multi-skilled Software Engineer 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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📍 Kolkata, India

🖥 sukanyabag.github.io

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◉ sukanyabag.medium.com

EDUCATION

Bachelor of Technology in Computer Science and Engineering
Haldia Institute of Technology

08/2019 - Present   *GPA - 8.89*

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.
- Engaged on building stock-market prediction tool by integrating CNNs with bidirectional LSTMs to predict stock-market index.
- 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 NLP. Used NER to extract and detect useful information from large text data.

SKILLS

Machine Learning · Deep Learning & NLP · SQL, SQLite, SQLAlchemy · Google Cloud Fundamentals · Data Science · Data Structures and Algorithms · Flask · REST APIs · Flutter · MERN · Git & GitHub · Technical Blogging · Python · Java · Javascript · Dart

PERSONAL PROJECTS

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.

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.

CERTIFICATIONS / ACHIEVEMENTS

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)

LANGUAGES

English
Full Professional Proficiency

Bengali
Native or Bilingual Proficiency

Hindi
Full Professional Proficiency