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

01/2022 - Present   *Bangalore, Karnataka*

Achievements/Tasks
- Performed 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.
- Developed 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 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 an algorithm with the help of SpaCy that performs keyword-extraction for resume shortlisting based on data-science/AI specific roles.

SKILLS

Machine Learning   Deep Learning & NLP   SQL

Data Science   Flask   APIs   Flutter   MERN

Git & GitHub   Technical Blogging   Python   Java

Javascript   Dart   GCP

PROJECTS

Peek-a-Geek (02/2022 - Present)
- A MERN stack application that connects developers across the globe who can view profile, share their work and contribute to projects of other developers.

Ecommerce Store API (01/2022 - 03/2022)
- 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.

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.

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)