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Subhabrata Nath

Jr. Data Analyst

SUMMARY

Having working experience on Data Science project involved developing models and finding the best solution for getting efficient result. Currently working as Jr Data Analyst focused on developing computer vision model and creating APIs. Continuously learning and looking forward to growing and utilizing my analytical skills, programming knowledge, along Engineering techniques

KEY SKILLS

- **Programming Language:** **Python, C++(basics)**
- **Domain Skill:** **Machine Learning, Deep Learning, Computer Vision, Statistics**
- **Tools:** **Scikit-Learn, TensorFlow, PyTorch, Keras, Open-CV, Numpy, Pandas, Matplotlib**

PROFESSIONAL EXPERIENCE

Jr Data Analyst (Machine Learning Engineer)

Dec '21 – Present
Mumbai, Maharashtra

Finacus Solutions Private Limited.

A product and service-based firm for banking and finance sectors making and providing services for digital banking solutions

Key Qualification and Responsibilities:

- Understanding and applying the requirements of digital products and services
- Creating and understanding product architecture and planning with team members.
- Data Collecting and writing modular code for data preprocessing to make the data accessible for model development
- Developing Deep Learning (for computer vision) models for the development of products as needed.
- Developed chatbot for assisting customers' needs.

INTERNSHIP

Intern - Machine Learning Engineer

Sep'21 – Dec'21
Bengaluru, Karnataka

iNeuron Pvt Ltd.

AI Tech product-driven organization and educational sector carrying domestic international clients and providing quality education for Data Science

Key Qualification and Responsibilities:

- Design, build and evaluate machine learning models for predictive learning.
- Use of statistical techniques, machine learning, data mining to build a scalable and innovative solution
- Develop modular code for large-scale data analysis, data validation, data encoding, model validation.
- Writing High-Level Documents, Low-Level Documents, and Designing Architecture.

EDUCATION

Bachelor of Technology (B.Tech)

West Bengal University of Technology
Aug '15 – Jun' 19
Mechanical Engineering

- GPA: 7.49

Higher Secondary (12'th)

West Bengal Council of Higher Secondary Education
Science

TRAINING

- Full Stack Data Science | **iNeuron.ai** | Feb '21 - Jan '22
- Data Scientist with Python Track | **DataCamp** | Dec '19 - jul '21
- TensorFlow Developer Certificate Course | **Zero to Mastery** | sep '21 - Present

Projects

Zero Contact KYC - Associated with Finacus

- **Description:** A product made using computer vision, implemented object detection, OCR, image classification, and face verification to recognize and verify government ID documents, Here used Aadhar card, pan card, and passport. Users have to take snaps of their ID documents from the edge devices and the system should recognize and verify the correctness of the image that comes from the user. Product is used to perform KYC verification of user and this can be done from any edge device that has a camera on it

- **Implemented Tech:** **Computer Vision, OCR, Object Detection, Image Classification**

WhatsApp Chatbot to assist user's queries anytime - Associated with Finacus

- **Description:** Used Rasa framework to build Chabot and integrated with WhatsApp that will help users get information about their **mobile data balance**, **talk-time balance**, **new offers,** and redirect calls to **customer services operator** to solve user queries. Only a WhatsApp chat will bring all the information about the user's mobile number only.
- **Implemented Tech:** Used **Rasa** Framework and **ValueFirst** Services to intergraded chatbot with **WhatsApp**.

UI-ML™ - UI Based Machine Learning Dashboard – Self

- **Description:** Quickly explore your tabular data and build an ML model. Here anyone can create a machine learning model also can download the model for later use on custom data on various algorithms for both Regression and Classification problems without writing a single line of code. Also, can perform EDA on the dataset. without writing a single line of code for classification and regression data.
- **Regression Algorithms: - Linear Regression, Random Forest Regressor, Support Vector Regression, K-Neighbors Regressor**
- **Classification Algorithms: - Logistics Regression, Random Forest Classifier, Support Vector Classifier, K-Neighbors Classifier**
- **EDA:** - **Pandas Profile Library**
- **Front-end/UI:** - **Streamlit**
- **GIthub** : **https://github.com/subha996/UI-ML-V2** | **Video Explanation** | **Deployment Link**

Forest Cover Type Prediction – Associated with iNeuron

- **Description**: - The Project is about to build a methodology to **predict Forest Cover Type based on geographical information**. It will reduce the huge amount of manpower and money with time to predict specific Forest Types in Specific regions
- **Algorithm**: **Random Forest Classifier, XGB Classifier, K-means.**
- **Technology**: **Scikit-learn, pandas, Numpy, Flask**
- **Github**: **https://github.com/subha996/Forest-Cover-Type**

Object Detection with YoloV5 - Self

- **Description: -** Perform Object Detection with **YoloV5** on **Image** and **Video**. The application will understand **automatically** the input type whether it's an image or video and will perform the object detection from it. The model has default weights to recognize **80 COCO classes**.
- **Implemented Tech**: - **YoloV5, Streamlit**
- **Github: Video Demo | https://github.com/subha996/OD-yolov5_1**

Language

- **English:** Working proficiency
- **Hindi**: Working proficiency
- **Bengali**: Bilingual proficiency