SHRUTAKEERTI DATTA

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I am currently a Second year Undergraduate at IEM, Kolkata under the branch of CSE-IoT.

Github - https://github.com/Shrutakeerti|
Linkedin https://www.linkedin.com/in/shrutakeerti-datta-872179246/

Work Experience

Open-Source Contributor   *01/2024 - Present*
JWOC   *Remote*

- I am contributing to AI; ML projects consists of different machine learning algos. Exploring other domains such as Web Devs, DevOps and many more such fields
- Brainstormed with various writers and creative team members.

Data Analyst Intern   *01/2024 - Present*
NoQs Digital   *Remote*

- Collaborated with support team regarding new projects and installations, utilizing features to deliver faster service.
- I learned about Excel, google sheets, Power BI, Tableau. Used Web scrapping to utilize and monitor data.
- Used Data Warehouse by identifying and revising reporting requirements, maintaining accuracy and preciseness. Data Storage Structures, Data Mining and cleansing. Working with case studies to efficiently visualize data.

GRIP Intern   *01/2024 - Present*
The Sparks Foundation   *Remote*

- Used Deep Learning, OpenCV, Convolutional Neural Networks (CNN), Object Detection, Image Classification, Feature Extraction, Image Segmentation, Facial Recognition in the making of the projects
- With the help of TensorFlow and Py Torch I used to classify the images and the Data Annotations
- Natural Language Processing (NLP) for model deployment and data preprocessing
- Monitored system performance to identify weaknesses, bottlenecks and inefficiencies.

Member of Technical Stuff   *09/2023 - Present*
Women Techmakers   *Remote*

- Communicated ideas clearly across multiple channels to assist staff.

- Improved access to information by helping to strengthen internal document control practices.
- Supported and encouraged many juniors to learn and know about the women in Tech policies

Data Science Intern   *10/2023 - 11/2023*
Oasis Infobyte   *Remote*

- Infobyte- clean and analyze data using tools like Pandas and SQL, build predictive models using machine learning algorithms Logistic Regression and Decision Trees
- K-Means Clustering from Scikit- learn or TensorFlow, visualize insights with Matplotlib or Seaborn, and collaborate with teams to solve business problems using data-driven approaches.
- Learnt about different ML Algorithms, worked on Jupyter Notebook, EDA, Principal Component Analysis, Matplotlib, NumPy, Pandas. Predicted models trained the dataset.

Data Science Intern   *10/2023 - 11/2023*
Codsoft   *Remote*

- Used (EDA) exploratory analysis, and model building using algorithms such as Linear
- Regression, Logistic Regression, Decision Trees, Random Forest, Support Vector Machines (SVM), K-Nearest
- Neighbors (KNN), and Neural Networks (NNs) using libraries like Scikit-learn and TensorFlow
- They also delve into model evaluation, hyperparameter tuning, and deploying models to solve problems.
- Applied analysis skills, leveraging insights, developing and deploying data models and evaluating and improving existing models to create solutions.

Junior Scientist   *03/2023 - 10/2023*
IEM – IEDC Lab   *Kolkata*

- Member of IEM IEDC Research Lab Member of IEM IEDC Research Lab
- **Skills:** Model Training · Logical Reasoning · TensorFlow · Prediction · Adobe Photoshop · Graphic Design · C (Programming Language) · Python (Programming Language) · Django

Projects

- ***Credit Card Fraud Detection***- balanced transaction data, preprocess and engineer features, apply machine learning models (e.g., SVM, Random Forest), address class imbalance, consider anomaly detection techniques, deploy and monitor the model, and use Python with libraries like Scikit-learn, while continuously learning from resources and real- world data,MatplotLib,Numpy and Pandas
- ***Iris Flower Classification***-For an Iris flower classification project in machine learning, I have utilized Python libraries like Scikit-learn for model building (e.g., Logistic Regression, Decision Trees), Pandas for data manipulation, Matplotlib or Seaborn for visualization, and NumPy for numerical computations.

- ***Movies prediction through Machine learning*** -gathered relevant data, preprocess it using Pandas, apply machine learning models like Random Forest or Gradient Boosting from Scikit-learn, utilize Natural Language Processing techniques (with NLTK or SpaCy) for text analysis from reviews, and employ visualization tools like Matplotlib or Seaborn for insights.
- ***Sales Prediction project***-used libraries include Pandas for data manipulation, NumPy for numerical computations, Matplotlib and Seaborn for data visualization, Scikit-learn for machine learning tasks, TensorFlow or Py Torch for deep learning, NLTK or SpaCy for natural language processing, and Stats models for statistical analysis.
- *Spam mail prediction*
- *Indian employment project*
- *Links-* https://github.com/Shrutakeerti/internship-codesoft
- https://github.com/Shrutakeerti/oasis-infobyte-internship

Technical Skills

Java, C++, C, Python
HTML, CSS, Javascript, React Js ,Node Js ,Go, Golang,Lua,.NET,ML algorithms
SQL,Scikit learn, Tensorflow,Pytorch,Seaborn,Matplotlib,MongoDB,Numpy,Pandas.
Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch), R (Tidyverse, caret, randomForest), SQL (SQL alchemy, panda SQL), Big Data (Apache Spark, Hadoop), Deep Learning (Keras, MXNet, Caffe, Fastai), Visualization (Tableau, Power BI, Plotly)

Excellent Spelling Skills, Ability to Research Topics, Scriptwriting, Project Management, Creative Writing, Expertise in Lead Generation

Education

Undergraduate CSE-IoT	2026
Institute of Engineering and Management, Kolkata	CGPA- 8.35/10
XIIth , CBSE	2022
Bethany Mission School	72.2%
Xth, ICSE	2020
St. Xavier's School, Raiganj	92.4%

Accomplishments

- Got **1st rank in IEEE Women in Engineering Hackathon** based on sustainable energy resources among Many universities
- Got the **2nd rank in Poster Competition of Paper** presentation based on **Unsupervised learning** used to take out the **Radio Astronomical Images**
- Got the **3rd position** Inter universities **Drama competition** among many universities