Rushikesh Darge

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💼 Experience

AxiOM Automation : Data Scientist Freelance   **(Feb 2021 - May 2021)**
- AxiOM is creating smart solutions for human intensive work using AI to make it automated.
- Built a **custom CNN** model and trained it from scratch with **collected image datasets** from the assembly line.
- **Deploying** model on assembly line, decrease human error and boost business **productivity** & increases **profits**

iNeuron.ai : Data Scientist Intern   **(Jun 2022 - Jul 2022)**
- Built and deployed a **NLP** base model, that **segregate** type of news headline with its content
- Data has some impurities, after **preprocessing** the dataset use **TF-IDF vectorizer** to create a **tokenization**.
- After experimenting with **Decision Tree**, Deep learning model **LSTM** we get better results on **Logistic Regression** of 98% accuracy and use that model for **deployment**.

💻 Projects

English to Hindi Translator (Attention model)   **(Mar 2022 - Apr 2022)**
- Hindi is a very rich and complex **language** unlike english and to identify these patterns **ML** algos struggle.
- Utilize a new technology in the **NLP** field, **Attention Mechanism**, to build an English to Hindi translator (**Blog**).
- A **25% BLEU score increase** is obtained when comparing new attention models with the **seq-seq models**.

SaferNet With AI – Chrome Extension   **(Jan 2022 - Feb 2022)**
- On the internet, there is lots of **adult content**, even on social media sites. These platforms are must for us.
- I created a **Chrome Extension** to address this issue, similar to adBlocker, to **effectively** remove adult content.
- I use MobileNet **CNN architecture** and get **90% accuracy**, and that also filters webpages in **real time**. (**Blog**)

Case Study: Olist Customer satisfaction   **(Dec 2021 - Jan 2022)**
- Most customers don't post reviews. The fewer reviews, the less trust a potential buyer has in the item.
- We use sales data perform **EDA** on and use that learning to build **Machine learning model**.
- Understand the business requirements and overcome **overfitting problem**, **deploy** model as **API. (Blog)**

Quora Question Pair Similarity   **(Nov 2021 - Dec 2021)**
- On Quora, many people ask similarly worded questions. That can cause more time to find the best answer.
- Applying the **NLP** technique and using machine learning and deep learning, predict questions' similarity.
- Using our model Quora can **decrease redundancy** of questions and **increase the quality** of answer as well.

📺 Strengths & Skills

Programming Languages : **Python | SQL**
Web Development   : **JavaScript | Flask | HTML5 | CSS | Google Cloud Platform | Heroku**
Package/ Libraries   : **Pandas | Numpy | Scikit-learn | Keras | Matplotlib | TensorFlow**
Others   : **Web scraping |Excel |EDA | Web automation |Data Analytics**

📚 Education

Year	Degree/Exam	Institute	CGPA/Marks
2022	Applied Roots	Applied Machine Learning	-
2021	B.E. Mumbai University	K.G.C.E, Karjat	**7.03**
2016	Higher secondary examination, MSBSHSE	K.T.H.M. College of Science, Nashik	**58%**
2014	Secondary examination, MSBSHSE	C.D.O. Meri High school, Nashik	**83%**

📜 Training & Certificates

Kaggle Expert | SQL Certification | Image processing | Keras | RNN Models | Tree base models
Python for Data Science | PowerBI | Blog competition | Tableau

🏃 Extra Curricular Activity

- **Instructor on Udemy** of Perfect Business plan course **(17k Students)**also started **Snacks Distribution Business**.
- **Digital marketing** - YouTube and Facebook advertisement, Instagram handles of10k followers, Logo designing.
- Member of **Silver** winning IT Table-Tennis team in KGCE Spring Fest 2019-20
- **Vipassana Meditation** Camp