

# Rushikesh Darge

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## Experience

**BarRaiser : Data Scientist Intern**

(Aug 2022 - Present)

- Creating **auto-chapters** from interview transcripts and **extracting questions** based on topics of chapters.
- Clean interview transcript using **NLP preprocessing** so they can be used for **BERT embedding**, building **models**.
- **Implemented whole pipeline** from transcript to result on dashboard and **deployed to live server on AWS**
- As a result of this new pipeline, **efficiency has improved** and the **cost has been reduced by 50%**.

**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**



## 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	<b>7.03</b>
2016	Higher secondary examination, MSBSHSE	K.T.H.M. College of Science, Nashik	<b>58%</b>
2014	Secondary examination, MSBSHSE	C.D.O. Meri High school, Nashik	<b>83%</b>



## 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