Abhinaba Banerjee

Data Scientist

Data Scientist looking for a Senior role to deal with Big Data and Deep Learning algorithms, and having professional experience with creating chatbots using python, NLP, machine learning and RASA chatbot framework.

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TECHNICAL SKILLS

Pandas   Numpy   Data Science   Beautiful Soup4   Statistics   Python   SQL   R   Tableau   Data Cleaning

Data Analytics   Machine Learning   NLP(Natural Langugage Processing)

WORK EXPERIENCE

Data Scientist
Operanka Associates

06/2018 - 04/2021   *Paris, France*
Fintech startup trying to create a chatbot based product

Achievements/Tasks
- Created a restaurant chat bot based on the RASA NLU and RASA Core architecture as part of a training in Python Visual Studio Code environment in Ubuntu.
- Designed a web scraping tool to retrieve data for various financial based regulations.
- Made an automatic tool for creating data-sets for financial regulation chat-bot using questions framed by a linguistic expert.
- Improve the quality of the data by adding co-occurrences. Automate the formatting of data by converting from an Excel file to a .json file format useful for the bot.
- Created questions using stems of various type e.g. where, why, how, what, etc. and used named entity recognition tool to format the questions.
- Tools and packages used: Python3 , Rasa nlu and Rasa core, Pandas, numpy, beautifulsoup4, scrapy.

Data Science Intern
Wegravit

07/2017 - 12/2017   *Lille, France*

Achievements/Tasks
- Made a filtering based algorithm using SQL and R to suggest the right users according to the specific keywords for the users to find the right connections for them to socialize.
- Worked on designing a static navigation tool which assembled the navigation data of bus, metro, tram, train, cycle using R considering traffic scenarios and weather at hand.
- Tools and packages used: R, SQL, ggplot2, dplyr, tidyr.

EDUCATION

MSc in Big Data Analytics for Business
IESEG School of Management

08/2016 - 05/2017   *Lille, France*
Courses
- Descriptive and Predictive Analytics
- Recommender Systems
- Text Mining
- Data Visualization

EDUCATION

Bachelors in Tech in Electronics and Communication Engineering
West Bengal University of Technology

08/2006 - 05/2010   *Kolkata, India*

Courses

- Digital Signal Processing
- Microwave Engineering

- Digital Communication
- Mobile Communication

COLLEGE CURRICULUM PROJECTS

Predictive Analytics in Fund-raising (11/2016 - 12/2016)
- A predictive model was designed to predict the right donors who are likely to respond to the launch of a reactivation campaign and then a profit amount was predicted using various machine learning models using R programming.

Data Visualization by R on the WHO dataset of Healthy life expectancy (12/2016 - 01/2017)
- Represented health life expectancies of various countries from WHO dataset for the years 2000 and 2015 on the world map by R using packages ggmap and ggplot2 and reported using R markdown.

Business Reporting (12/2016 - 01/2017)
- A business report was created for a small translation agency by analyzing the various attributes about the project where customer segmentation was done using SQL and analytical insights were inferred by displaying them using Tableau. Customers were then categorized into churning and non-churning ones.

Analysis and Visualization of Airplane Safety data (05/2017 - 05/2017)
- Investigated the safety of airplanes for a newspaper article. To support this objective, the data visualization tool Tableau was used to explore the data and discover relevant business analytical insights. Moreover, the report gives the analyses of the findings and visualizations by showing the significance of them.

Inventory Optimization (01/2017 - 03/2017)
- Estimated the amount of sales using a forecasting time series model for the upcoming months for the then third largest DIY retailer in France using R and represented the results in an interactive dashboard by Shiny R.

ONLINE COURSES

Machine Learning for Everyone (12/2020 - Present)
Data Camp

Cloud Computing for Everyone (12/2020 - Present)
Data Camp

Cloud Computing Basics (12/2020 - Present)
Coursera

Text Mining (01/2017 - Present)
Data Camp

LANGUAGES

English
Native or Bilingual Proficiency

French
Limited Working Proficiency

Hindi
Native or Bilingual Proficiency

Bengali
Native or Bilingual Proficiency

SOFT SKILLS

`Organised` `Autonomous` `Dynamic` `Agile`

INTERESTS

`Cricket` `Traveling` `Trying new cuisines`