Vaishali Chandrashekar Siddeshwar

Phone: (416) 833 58 86
Email: vaishali.bhat@yahoo.cm
Github: https://github.com/vaishali-vcs
Linkedin: www.linkedin.com/in/vaishalics
Address :18 Miracle Trail, Brampton
L7A 0Y3, Ontario

Skills

- Deep Neural Networks, CNN, LSTM
- Machine Learning Libraries: Keras, Tensorflow, SciKit-Learn
- Programming languages: Python, Microsoft C#, C++, PySpark
- Relational Databases-Microsoft SQL, Oracle, MongoDB
- Cloud Platforms - AWS and Databricks

Certifications

- Data Science Certificate by University of Toronto's School of Continuing Studies (**Grade A**) 2019-2010
- Basic Statistics by University of Amsterdam (**Grade A**) issued by Coursera 2019-2020
- Deep Learning by Prof. Andrew Ng (**Grade A**) issued by Coursera 2018-2019
- Machine Learning by Prof. Andrew Ng (**Grade A**) issued by Coursera 2018-2019
- Microsoft Certified Technology Specialist in .NET Framework 3.5, ASP.NET Applications. 2009-2010
- IELTS Academic Score- Overall Band 7.5 Feb 2020

Education

- Bachelor of Engineering-Computer Science with 70% (First class with distinction) 2006-2010
- Pre-University with 82% (First class) 2005-2006
- 10th Grade with 96% (First class with distinction) Was awarded a medal by the Chief Minister of Karnataka, India 2003-2004

Academic Projects

At University of Toronto's School of Continuing Education 2019-2020

Kaggle Ongoing Competition: Real or Not? NLP with Disaster Tweets

Technologies used: Deep Learning, NLTK, Python

- Tokenized the tweets using BERT's Tokenization technique and trained a few BERT-based pre-trained models and LSTM Neural Network models to classify the tweets into "a real disaster tweet" or not.
- Ensembled their results to improve my leaderboard score.

Yelp Data Analysis

Technologies used: Amazon AWS, Databricks, PySpark and MLFlow

- Explored the data to assess the public perception of various local businesses in Toronto. This analysis helped to uncover factors that play a vital role in the success of a business.
- Built a Linear Regression model to predict the rating by calculating the sentiment of the reviews by preprocessing the text using TfidfVectorizer and utilized MLFlow tool to log the metrics of different combination of hyperparameters.

UCI's wine Data Analysis
Technologies used: Python

- Assessed the data to find if there were any differences between the features of 2 types of wine i.e. Red and White.
- Conducted hypothesis testing to figure out if there is a significant difference between the average alcohol content in Red and White wines and also, if there is significant difference in quality levels between wines with high and low alcohol content or not.

Suicide Rate Analysis
Technologies used: Python

- Analyzed the dataset to find global suicide trend in the past 3 decades and also explored influence of factors like HDI and GDP of a country, Age and Gender of a person on suicide rate. The goal was also to search for correlations of independent variables. For ex: if the GDP (that represents the economy of a country) goes up, does the number of suicides goes down.
- Combined suicide Dataset with temperature dataset to find if climate and temperature of a place has great impact on its suicide rate.

At Visvesvaraya Technological University 2009-2010

Text Extraction from Image
Technologies used: C++

- Analyzed satellite images and extracted text such as timestamp from them.
- Explored various image-processing techniques including pixel intensity analysis.

Industry Work Experience 2011-2016

Associate Product Consultant
Honeywell Technologies Solutions Lab - May 2014 – June 2016

- Participated in Software development phases- Designing, Enhancements, Bug-fixing and maintenance of the Application.
- Worked with Technical Support Team to resolve critical or high issues faced by customers.
- Conducted Unit Testing, Integrated Testing to debug and correct the glitches in the application's programming language adhering to the company's quality standards.
- Supported the customers during the installation or upgradation of Honeywell products.

Software Engineer
SLK Software Services Pvt. Ltd - January 2011 – May 2014

- Involved in design, development, testing, deployment and maintenance of Software application.
- Understood the requirements, customer's business process, expectations and challenges.
- Was responsible for Deployment to Development and Staging environments.
- Assisted the client during User Acceptance testing (UAT).

Extra-curricular Activities

- Completed French level A1&A2 at Alliance Française Bangalore, India
- Achieved 96/100 in DELF (Diplôme d'Études en Langue Française) A2
- Achieved 96/100 in DELF (Diplôme d'Études en Langue Française) A1