HRISHIKESH VINOD VIBHUTE

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Education

George Mason University — Jan. 2021 – Dec. 2022
Master's of Science in Computer Science (GPA: 3.95) — *Fairfax, Virginia*

Savitribai Phule Pune University — Aug. 2012 – Jun. 2016
Bachelor's of Engineering in Information Technology (GPA: 3.5) — *Pune, India*

Technical Skills

Languages: C#, Java, HTML, CSS, JavaScript, TypeScript, jQuery, SQL, Python, R
Developer Tools: Visual Studio, Visual Studio Code, Jupyter Notebook, Spyder, Eclipse, RStudio
Technologies/Frameworks: Optimizely, .NET Core, .NET MVC Framework, Node, Angular, GitHub, Docker, Kubernetes, Google Analytics, Natural Language Processing, Machine Learning, Deep Learning, PyTorch, TensorFlow, Keras

Professional Experience

George Mason University — Aug. 2021 – Jan. 2023
Graduate Research Assistant — *Fairfax, VA*

- Analyzed and devised scripts in R programming language for pre-processing real Jail data to get structured information from different files type like pdf, Microsoft Excel, XML with 500k+ records.
- Utilized SQL operations like joins in R using sqldf package (sqlplus) to transform data in the required format to optimize further analysis process.

Amazon Web Services — May. 2022 – Aug. 2022
Solutions Architect Intern — *Seattle, WA*

- Designed and implemented a TypeScript SDK named Quests Development Kit (QDK) for Partners at AWS comprising API client and CLI toolkit.
- Created an API client using 'Axios' library for HTTP requests and streamlined a CLI toolkit by utilizing 'Commander' library for CLI argument parsing to communicate with AWS services.
- Utilized AWS SDK in JavaScript within the Quests Development Kit (QDK) to communicate with AWS Services such as CloudFormation, Lambda, DynamoDB, S3, ECS, STS, SecretsManager, etc.

TietoEVRY India — Nov. 2016 – Nov. 2020
Software Engineer — *Pune, India*

- Designed and implemented custom pages, blocks, and schedule jobs for Optimizely CMS-based web application in ASP.NET MVC to enhance user experience and increase user engagement on specific web pages by 58%. Analyzed and troubleshoot system issues.
- Consumed third-party APIs such as Marketo, Twitter, Instagram and integrated those within the application in customized view and accomplished 42% of increase in user involvement on social media platforms which boosted in generating more revenue.
- Fabricated URL redirection service using AngularJS, C# within Optimizely CMS admin to add, modify and delete URL redirect eliminating deployment process. Incorporated a service using C# to automate the regeneration and replacement of an Instagram access token before its expiration date via Facebook API.

Persistent System India Pvt. Ltd. — Jun. 2015 - Jun. 2016
Research Intern — *Pune, India*

- Assisted in the development of an application for predicting upcoming movie revenue using technologies like Python, Machine Learning regression algorithms(linear, polynomial, Support Vector, Random Forest), Natural Language Processing, stored dataset in Hadoop and retrieved it using MapReduce technique, by following the Agile Methodology.
- Structured the application to get insights from textual data by utilizing NLP techniques and ML regression algorithms for predicting revenue to achieve accuracies ranging from 65% to 85% in regression problems.

Academic Projects

Movie Popularity and Revenue Prediction | *Python, Data Mining, Machine Learning* — Feb. 2021 - April. 2021

- Developed a model using Python and ML algorithms to classify a movie's popularity and predict its revenue with data of 8000+ movies from OMDb and IMDb, accomplished model accuracies ranging from 69% - 92%.

Humpback Whale Identification | *Python, PyTorch, Deep Learning, CNN* — Nov. 2021 - Dec. 2021

- Implemented multiple CNN AlexNet, VGG11, DenseNet121, Siamese NN models in PyTorch to identify individual whales using 33000(approx.) whale's fluke image dataset to achieved accuracies ranging from 42%- 94%.