Harsha Kankanamge

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Linkedin | GitHub | Portfolio

Education

Master of Science in Statistics | (September 2020- Ongoing)
Department of Statistics, Portland State University, Portland, OR, USA

Master of Science | (January 2018- May 2019)
Department of Mathematics, The State University of New York College at Buffalo, Buffalo, NY, USA
Professional Applied and Computational Mathematics MSc. CGPA = 3.79/4.0

- Courses: SAS, Python, SQL, Advanced Excel for Data Science, Calculus, Non-parametric Statistics, Linear Regression and Correlation, Design and Analysis of Experiments, Mathematics of Finance, Time Series, Logistic Regression, Applied Machine Learning using Python, Survival Analysis, etc.

B.Sc. (Mathematics, Computer Sciences, Statistics) | (2008-2011)
University of Sri Jayewardenepura, Sri Lanka

- Courses: Operational Research, Regression Analysis, Data Analysis, Element of Sampling, Physics and Environment, Element of Probability, Distribution Theory, Medical Statistics, Categorical Data Analysis, Database Management, Introduction to Artificial Intelligence, Real Analysis, etc.

Technical Skills

Core skills*: Data Modeling and Forecasting, Big Data Analysis and Interpretation, Data Mining and Visualization, Data and Quantitative Analysis, Machine Learning, Geospatial Data Analysis, Calendar Managements, Web Scraping.

Data analysis packages and languages*: Python, R, SAS, SQL, SPSS, Minitab, Excel, Tableau, Power BI.

Other packages and languages*: Mathematica, Matlab, Adobe Photoshop/Illustrator, HTML, PHP, C++, CSS, WordPress, Joomla, Drupal, Jira, Jenkins, IBM RTC. Advanced Skills with Microsoft Word, Excel, PowerPoint, Outlook.

Operating systems: Windows, Linux, Mac.

Employment History

Teaching Assistant | (Jan 2020 – Jun 2020)
The State University of New York College at Buffalo, Buffalo, NY

- Taught Python, R, SQL, SAS programming languages to students in data science MS program.
- Helped with making curriculums and grading exams.

Digital Analyst | (Jul 2019 – Jan 2020)
HSBC Technology, 2929 Walden Ave, Depew, NY

- Managed US, Canada, and Mexico HSBC production websites and live proving websites, as well as keep all the servers up-to-date with the latest version of the contents.
- Scheduled meetings for regular deployments for all three countries.
- Offered consultation to the digital business owners for quality improvement on online banking websites.
- Worked closely with the release management team and incidents management team to fix issues.
- Built an automate report template, which can hold all the Sprint data in one place and generate the summary report automatically for each Sprint using advanced Excel.

Data Analyst Intern | (Aug 2018 – Jun 2019)
Resources for Information Technology and Education Center at Buffalo State, Buffalo, NY
- Imported, sorted, cleaned, and transformed data according to business objectives.
- Collected information and formed conclusions on their intent and purpose.
- Created SQL, Python commands to manipulate data.
- Created Visualization charts using Python and Tableau for easy understanding and comparison of data.
- Successfully interpreted data to draw conclusions for expenses reports management and strategy.

Graduate Assistant | (Jan 2018 – May 2019)
The State University of New York College at Buffalo, Buffalo, NY
- Developed Python modules for web scraping for a curriculum in MS program "Multidisciplinary Studies - Data Science & Analytics" (DSA) and trained the faculty to use them.
- Taught Python, R, SQL, SAS programming languages to students in data science MS program.
- Developed a website for the conference in data strategy and governance and worked as an active member of the organizing committee.
- Hosted websites on Apache web-servers.

Web and Data Analyst| (Aug 2014 – Dec 2017)
GeWin Solutions, Colombo, Sri Lanka
- Collaborated with business analysts and software development team for identifying and converting business goals into data requirements.
- Validated websites and planning database management systems.
- Used Tableau, Power BI and Python for data visualization.
- Offered consultation services to clients for quality improvement of data.
- Used My SQL to write queries.

Development Officer | (Jan 2012 – Jul 2014)
Ministry of Industry and Commerce, Colombo, Sri Lanka.
- Maintained website, network system and, troubleshooting.
- Extensively worked on data stores, work flows and data flows.
- Designed & developed various departmental reports using SQL and Excel.
- Extensively involved in requirements gathering and data gathering to improve the decision making process.

Certifications

Business Statistics and Analysis Specialization | (Jul 2021)
Coursera course from Rice University.
- Excel, Linear Regression, Statistical Hypothesis Testing, Lookup Table, Data Analysis, Pivot Table, Statistics, Statistical Analysis, Normal Distribution, Poisson Distribution, Interaction (Statistics)

Google Data Analytics | (Jun 2021)
Google data analytics course on Coursera.
- Gained an immersive understanding of the practices and processes used by a junior or associate data analyst in their day-to-day job.
- Learned key analytical skills (data cleaning, analysis, & visualization) and tools (spreadsheets, SQL, R programming, Tableau).
- Understood how to clean and organize data for analysis, and complete analysis and calculations using spreadsheets, SQL and R programming.

Microsoft Certified: Azure Fundamentals | (Jun 2021)

Machine Learning & Deep Learning in Python & R | (Jun 2021)
- Udemy 35 hours of contents course for ML and DL.

Data Visualization with Tableau Specialization from UC Davis on Coursera| (Apr 2021)
- Created calculated fields for KPIs to build a figure that will be used to measure progress in the data.
- Learned analyze concepts and techniques for compelling storytelling with data.

MongoDB Basics, MongoDB University | (Mar 2021)

Databases and SQL for Data Science from IBM| (Feb 2021)