

EDUCATION

University of Washington Master of Science in Information Management (Data Science specialization) CGPA: 3.89/4 <u>Coursework</u> : Data Science - Theoretical Foundations, Machine Learning & Econometrics, Data Science - Scaling, Applications, and Ethics, Business Intelligence Systems, Relational Database Management Systems, Machine Learning for Public Health Big Data. <u>Teaching Assistant</u> : Data Visualization for Data Scientists, Social Media Data Analysis, Policy and Ethics in Information Management.	Seattle, WA June 2021
University of Mumbai Bachelor of Engineering in Computer Engineering CGPA: 8.86/10 <u>Coursework</u> : Analysis of Algorithms, Applied Mathematics, Artificial Intelligence, Data Structures, Database Management Systems, Data Warehouse & Mining, Distributed Databases, Machine Learning, Operations Research, Soft Computing, Software Engineering.	Mumbai, India June 2019

TECHNICAL SKILLS

Programming languages: Python, R, SQL, C, Java, HTML, CSS, and JavaScript.
Tools & Tech Stack: AWS, Hive, PostgreSQL, Spark, SSIS, SQLite, SQL Server, Power BI, Tableau, WEKA, Excel, Git.
Libraries: BeautifulSoup, Gensim, Keras, NLTK, Numpy, Pandas, PyTorch, Scikit-learn, Scipy, Seaborn, Selenium, TensorFlow, etc.

WORK EXPERIENCE

Microsoft – Capstone Student Researcher <ul style="list-style-type: none">Developed a web application using Flask that centralizes information about inclusive employers to support the disabled.Mined social media data and built web crawlers to retrieve information about corporate culture and inclusive policies.	Jan 2021 – Jun 2021
PATH, Seattle WA – Data Scientist Intern <ul style="list-style-type: none">Developed web crawlers using BeautifulSoup and Selenium to extract news articles about vaccines in African countries.Analyzed data using Python and Tableau to identify trends in news coverage and social media reach of articles.Performed sentiment analysis and topic modeling on textual data to support the vaccine acceptance study.	Sept 2020 – Mar 2021
Amazon Web Services (AWS), Seattle WA - Business Analyst Intern <ul style="list-style-type: none">Developed centralized reporting solutions for internal Worldwide Public Sector (WWPS) teams using Tableau dashboards.Gathered data from various stakeholders using SQL Server and built dashboards satisfying customer requirements.Analyzed business processes and suggested areas of improvement relevant to business operations for WWPS.	June 2020 – Sept 2020
Central Drug Research Institute, India - Data Analyst Intern <ul style="list-style-type: none">Scraped news websites using Python to extract articles about AIDS in India to analyze public sentiment.Collected epidemiological data about Parkinson's disease in Africa through a literature review.Analyzed disease prevalence and incidence rates and studied disease spread with factors like age, gender, and race.	Sept 2017 - Feb 2018

RESEARCH

Journalism Research through Collaboration DRG – Analysis Team Lead <ul style="list-style-type: none">Performed data mining to extract news articles about QAnon and analyzed news coverage on QAnon misinformation beat.Analyzed Twitter data using PostgreSQL, Python, and Tableau to investigate data requests from journalists.	Sept 2020 – Dec 2020
Speech-to-ISL Translation System – Student Researcher, Author Presented at ICCIS 2021 <ul style="list-style-type: none">Built an application converting speech to Indian Sign Language using Android Studio, Google Speech API, Python, and Unity.Created a video motion database using Xbox Kinect and applied NLP techniques to match tokens with ISL motion gestures.	Aug 2018 – Mar 2019

PROJECTS

DGA Domain Detection using XGBoost <ul style="list-style-type: none">Developed an application classifying DGA and benign domain names using AWS Lambda, S3, API Gateway, and SageMaker.Generated a dataset of 5 million rows using more than 40 domain generation algorithms and other data sources.Used XGBoost for classification and hyperparameter tuning to achieve a testing accuracy of about 93%.	Apr 2020 - June 2020
Movie Review Classification using Naïve Bayes <ul style="list-style-type: none">Developed a Naïve Bayes classification model to predict if a movie is 'Fresh' or 'Rotten' based on movie reviews.Used NLP techniques, smoothing, and cross-validation to achieve an accuracy of 63% on a dataset of 10,000 rows.	Feb 2020 - Mar 2020
Twitter Topic Modeling using LDA <ul style="list-style-type: none">Scraped Twitter data relevant to 'Data Science' and used Natural Language Processing techniques.Used Latent Dirichlet Allocation (LDA) model to extract the most naturally discussed topics about the field.	Jan 2020
Recommendo - A Movie Recommendation System <ul style="list-style-type: none">Developed a web application that recommends movies to a user based on similar movies and user ratings.Applied collaborative filtering and k-NN method in Python and built the system UI using HTML, CSS, and JavaScript.	Sept 2017 - Oct 2017
Others : Amazon Product Review Clustering, Grocery Store Sales Analysis and Forecasting, Stock Recommendation System, etc.	

CERTIFICATIONS

AWS Certified Cloud Practitioner	Jul 2020
Tableau Data Scientist	May 2020