

SHREYA BANERJEE

3970 The Woods Dr, San Jose, CA 95136 |(508) 310-8315| shrbanerjee@clarku.edu

EDUCATION

Master of Science: Data Analytics Engineering, Clark University, Worcester, MA

Jun 2021

Relevant Courses: Python Analytical Programming, Data Mining with Splunk, Data warehousing & SQL, Big data statistics

Bachelor of Engineering: Electronics & Telecommunications Engineering, Mumbai University, Mumbai, India

May 2019

Relevant Courses: Neural Networks and Fuzzy Logic, Structured programming & approach, Data structures, Distributed systems

SKILLS

Operating Systems : Microsoft Windows, Linux, MacOS, Ubuntu
Programming Languages : C, C++, Java, JavaScript, PHP, HTML, Python
Database Skills : MySQL, Microsoft SQL server, MongoDB, Microsoft Access
Visualization Tools : Toad Data Modeler, Tableau, Power BI, R, Python, MATLAB, Splunk, Qlik Sense
Machine Learning Techniques : K-Nearest Neighbor Classifier, Discriminant Analysis, Naïve Bayesian, Artificial Neural Network, Classification Trees, Support Vector Machines, Linear, Multiple and Random Forest Regression, Siamese Networks

EXPERIENCE

Bumble Tech Solutions

Mumbai, India

Data Analyst

Sep 2018 – Aug 2019

- Aided enhancement of data quality through Data Wrangling, Cleaning, Merging, and Sorting data, utilizing Power Query & Pivot.
- Collaborated with peer Business intelligence team & data architecture team to determine competitive actions & market insights.
- Ensured provision of appropriate, analytical support and outcome recommendations for key partners in the business and provided effective project management and delivery of analytics projects.
- Gathered and refined complex data using SQL queries & visualized concerning data using SQL queries & visualized concerning data using Power BI to support key business decisions.

Fitivity Inc

Greater Boston, MA

Machine Learning Engineer

Aug 2020 - Jan 2021

- Developed state of art machine learning models and optimized neural networks and real-time video analytics algorithm for tracking.
- Engaged directly with key applications developers, understand current and future issues, optimized core parallel algorithms and data structures to provide the best solutions using GPUs.
- Utilized image classification, object detection and tracking with Mask RCNN and YOLO for custom set of 1000 images using Python libraries - OpenCV, TensorFlow and Pytorch.
- Implemented Turicreate and deployed with core ML model using object detection and tracking for mobile application.

ACADEMIC PROJECTS

Effect of International Aid on economic growth (Tableau, Python, Project Jupyter)

Aug 2019 – Dec 2019

- Implemented econometrics modelling using time series and employed data panel on 30 low income developing countries dataset curated from World Bank Database.
- Applied multiple regression to examine the relationship between foreign aid variables and development indexes within dataset.
- Created dashboard and storyboard in Tableau to forecast meaningful insights for performing descriptive analysis.

Fidelity Investments (Data Mining Techniques using Splunk, R, R Markdown)

Aug 2019 – Dec 2019

- Research for millennials' financial behavior and designed questionnaires.
- Collected data, analyzed, and applied machine learning algorithm for predictions.
- Designed Tableau dashboards for visualizations.

Adventure works Database (SQL Server Management Studio, Tableau Prep, Tableau Desktop)

Sep 2019 - Dec 2019

- Fetched and sketched ER diagram of 'Adventure works' database utilizing SQL server to establish a centralized automobile inventory database.
- Developed and supported ETL solutions for internal database to clean and join tables and troubleshooting to resolve issues.
- Designed interactive dashboard using Tableau for inventory analysts to utilize understanding of customer data.