

Gulchin Huseynova

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SUMMARY

Experience on Natural Language Processing, Machine Learning, Artificial Intelligence, Statistical Modeling, Data Analysis, Data Manipulation, Data Visualization, and Business Intelligence. Expertized in widely used python libraries like NumPy, Pandas, and Matplotlib for data analysis.

SOFT SKILLS

[Time Management] Team Management | Collaborative Working | Analytical Thinking | [Adaptable] Creative Spirit | Multitask Skills | Fast Learner | Communication & Interpersonal Skills | Teamwork| Time Management| Conflict Resolution| Responsibility| Flexibility| Problem-solving| [Creativity] [Adaptability] [Critical thinking] [Analytical thinking] [Resilience] [empathy] [Emotional intelligence]

SKILLS

**Programming:** Python (scikit-learn, pandas, numpy), PySpark, R (glmnet)  
**Statistics:** Probability, Distribution, Statistical Inference, Bayes Theorem, A/B testing  
**Machine Learning:** Supervised learning (logistic regression, decision tree, ensemble learning), Unsupervised learning (clustering, recommendation system)  
**Data Visualization:** Exploratory Data Analysis, Tableau  
**Database:** SQL  
**Other:** Jira, Agile Methodology, Linux, Git, GitHub, Software Development Life Cycle (SDLC), Scrum

EDUCATION

- Data Science Certification Program, **CLARUSWAY**, Vienna, VA **December 2021**
- BS. "Pedagogy and Methods of The Primary Education",  
**The Center of Science and Education Tafakkur University** , Baku, Azerbaijan **June 2009**

WORK EXPERIENCE

**Nioyatech, VA** **March 2021-Present**  
**NLP, Data Scientist**

- Work with NLTK library to NLP data processing and finding the patterns
- Categorize comments into positive and negative clusters from different social networking sites using Sentiment Analysis and Text Analytics.
- Developed NLP models for Topic Extraction, Sentiment Analysis
- Identify and assess available machine learning and statistical analysis libraries (including regressors, classifiers, statistical tests, and clustering algorithms).

Perform Data Cleaning, features scaling, features engineering using pandas and NumPy packages in python.

- Used Python NumPy, Pandas, Seaborn, Matplotlib libraries to find solutions to exploratory Data Analysis and Data Visualization projects

**Volunteering Experience, Reston, VA** **Sep 2020- April 2021**

Terraset Elementary school  
Teaching Assistant

PROJECTS

- Customer Review Sentiment Analysis (NLP): Retrieved shopper comments on consumer products from shopping websites and utilized machine learning model to extract keywords from comments and categorized them by sentiment and features they describe Skills: Tokenization, Noise Removal, Lexicon Normalization, Logistic Regression, Naive Bayes, Random Forest, Ada Boosting.
- Lending Club Loan Repayment Prediction: Create an FNN model that can predict whether a borrower will repay the loan, considering historical data on loans issued, along with information on whether the borrower is in default. Skills: Feed-forward NN, TensorFlow, Keras, Colab Google
- Auto Scout Car Price Prediction (Using Real Data) Building price prediction model using features regarding different make & models. Skills: Feature Engineering and Analysis, Pandas, Seaborn
- Analyzing Police Activity (Rhode Island): The analysis of traffic stops in Rhode Island that was collected by the Stanford Open Policing Project. Skills: Pandas, Numpy, Matplotlib, Statistics, Data Analysis
- Tableau Dashboard COVID19 Tracker: Creating a dashboard to track COVID19 cases in various country using the data from RKI. Skills: Tableau
- Tree Types Classification: Predicting types of trees grow in national forest district using the features shadow coverage, distance to nearby landmarks, soil type etc. Skills: Support Vector Machine (SVM), XGBoost, Random Forest, Decision Tree, KNN, Yellowbrick, Seaborn
- Customer Segmentation: Clustering: Segmentation of customers using unsupervised data. Skills: K-means Clustering, Dendrogram, Agglomerative Clustering, 3D Visualizations