

Shradhit Subudhi

LinkedIn: [linkedin.com/in/shradhit/](https://www.linkedin.com/in/shradhit/) | GitHub: github.com/shradhit
Personal website (made using Jekyll) - shradhit.com

Education Certificates

Rutgers University, Rutgers Business School, NJ

Masters in Information Technology and Analytics | **Expected: December 2019**
Graduate Teaching Assistant - Data Analytics, Decision Making, Analytics of Business Intelligence and Business Forecasting (Under - Prof Sergei Schreider)
Relevant Coursework: Probability, Data Mining, Data Analytics, Decision Making, Introduction to Data Science, Forecasting, Financial Time Series, Databases, Business Intelligence, Software Development.

College of Engineering Pune, India | May 2014 - June 2018

Autonomous college of Government of Maharashtra

Bachelors of Technology in Computer Engineering | SGPA: 8.62 (final semester)
Relevant Coursework: Machine Learning, Advanced Database Management, Calculus, Optimization

Professional Experience

Veritonic, Inc. | New York City | Data Scientist, Intern | June 2019 - Dec 2019

Build data science modules that detects gender, emotions also instruments using an audio dataset. Key Aspects of the project include audio research, MFCC extraction, spectrogram generation, a model selection that enhances the selected metric, deep learning, model deployment, Librosa, Keras, TensorFlow, Sklearn, etc.

My experience in Veritonic: shradhit.com/notes/2019/08/23/Summer-Internship-at-Veritonic

ChooseToThink | Machine Learning Research Intern | Sep 2017 - May 2018

Anecdote Detection System - B.Tech - Research Project - Pioneering application to automatically identify anecdotes analyzing set of sentences as input using articles from Blinklist and contemporary techniques of natural language processing and Machine Learning. Key Aspects of the project include research, pattern and trend identification, statistics, rule-based estimation, natural language processing, Stanford NLP library, Ensemble Models.

D2K Technologies India Pvt. Ltd. | Database Intern | May 2017 - Jul 2017

Gained adept industry experience working with relational and non-relational databases. Contributing to developing the architecture of the database, modified queries to achieve a decrease in latency time fetching.

Projects

Genre Detection - A Music Information Retrieval project i.e. classifying audio music files into various popular genres. Build spectrogram & extracted MFCC from the .wav files (using FMA Dataset) used various CNN-RNN based msdscdscodels & got an accuracy close to 70%.

Wine Quality Predictor - Analyzed the quality of Portuguese "Vinho Verde" wine given various physicochemical inputs. Tasks involved: Data Cleaning, Preprocessing, analysis of the dataset, visualization, proficient R programming, fitted the model keeping in mind the assumptions of the models used. Reported an accuracy of more than 75% using Binomial Logistic Regression. Link: <https://rpubs.com/shradhit/winequality>

Airbnb and Zillow - Kaggle Competition - Predicted in which country a new user will make his (or her) first booking. Tasks involved: data cleaning, exploratory analysis, performance-boosting tactics. For Zillow; predicted the important features that contribute in predicting the Z - Score also ended up predicting Z score using various ML models.

Sentence Completion - Research Project - To automate the task of Sentence Completion in SAT that involves choosing the correct word from the given set of word options such that the resulting sentence is semantically correct. Our team tried to automate the manual task using Natural Language Processing.

Brain Injury Score Calculator - The software takes the input of the condition of the patient and outputs the severity of his Injury using Glasgow Scale using complicated mathematical calculations. The project made on python, framework used panda3d.

Repository for Publication Database - A web based central database for storing details about all the papers published by the College of Engineering Pune & faculty with hierarchy of access. Technology stack used - LDAP, HTML, JavaScript, CSS etc.

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Skills

Languages: Python (Scikit-Learn, Pandas, Numpy, TensorFlow, PyTorch, Plotly, GraphX), R, SQL, C/C++, git, HTML, CSS

Tools: Excel, Word, PowerPoint, and Access, G Suite, Jekyll

Knowledge Area : Supervised, Unsupervised, Regression, pattern and trend identification, TensorFlow, classification, business intelligence, Time series, Outlier detection, data mining, visualization (ggplot, Shiny, Matplotlib, Seaborn), deep learning, vision, business intelligence, redshift recommendation engines, Tableau, Reinforcement learning, data warehousing, Dashboard, MongoDB, document clustering, text classification, NER, sentiment analysis, and POS tagging, Spark RedShift and Ensemble Model.

Certificates

Introduction to Data Science in

Python by University of Michigan.

Applied Plotting, Charting & Data

Representation in Python by

University of Michigan.

Applied Machine Learning in Python

by Univer zxczczsity of Michigan.

Applied Text Mining by University of Michigan.

Leadership Roles

Founder & Co-Secretary, Software Development Section, CoEP

Team Lead, Smart India Hackathon

Class Representative, B.Tech

Computer Engineering from 2014-2018.

Web Team Head for ED Cell, COEP

Mathematics Teacher (Volunteer) at St. Jude India

Achievements

Among **Top 1 percentile** in Grade 12th HSC - Maharashtra State Board.

4th in B.Tech Project Competition for Anecdote Detection System held at College of Engineering Pune.

