

Shiv Pratap Singh Tomar

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195 Hancock Ave, Jersey City, 07307, NJ

EDUCATION

Stevens Institute of Technology, Hoboken, New Jersey

Aug 2018 - Dec 2019

Master of Science in Information Systems with concentration in Business Intelligence and Analytics

Coursework: Data Analytics & Machine Learning, Web Mining, Marketing Analytics, Process Innovation & Management, Applied Analytics, Practicum in Analytics

GPA: 3.92/4

NMIMS, Mumbai

May 2018

Bachelor of Technology in Computer Science

SKILLS

Machine Learning, Web Scraping, Data Mining, Data Modeling, Exploratory Data Analysis, Data Visualization

Programming Languages: Python (Pandas, Scikit-Learn, NumPy, Selenium, Spacy), **R, SAS, HTML, CSS, C, C++**

Data Visualization: Tableau (Dashboards, Graphs, Charts, Comparisons), **Power BI, Matplotlib, Seaborn**

Data Manipulation: Advanced Excel (Pivot Table, VLOOKUP, Macros, VBA)

Data Querying: SQL

Analytics: Google Analytics

Platforms: Windows, Linux, MacOS

EXPERIENCE

Sanford Health, Sioux Falls, South Dakota

Jan 2020 – Present

HR Enabling Technologies Analyst Intern

- Automated Sanford Health job postings on several career websites in the Mid-West region through Selenium and Python
- Created a job suggestion pop-up based on the skills and information extracted from scanning candidate resumes through Python
- Compared key interests and qualifications of candidates with various job profiles and suggested jobs with % match criteria
- Decreased the time required in posting a job by 60%.

Stevens Institute of Technology, Hoboken, New Jersey

Aug 2019 - Present

Graduate Research Assistant (Project: Trajectory)

- Working with Prof. Michael Frank on a project aimed to analyze the rise of Stevens alumni graduated from various streams in the past years and to compare the curriculum of 2 major courses offered by Stevens
- Scraping profiles of Stevens alumni on LinkedIn using Python libraries like BeautifulSoup and Selenium, to collect data on Present/Past Company, Positions held, Skills, Interests, Education, Contact Info, Accomplishments, etc.
- Analyzing the data after linking and verifying it with the Stevens student database

RackBank Datacenter, Indore, India

May-July 2016

Technical Analyst and Research Intern

- Collected and analyzed data on unique selling propositions and services used by different datacenters, while working with the technical team and the CEO of the company
- Targeted top 15 datacenter competitors and performed an in-depth analysis of their working and their unique offerings
- Presented case studies and analytical results to the CEO
- Implemented new proprietary tools and determined new discounts/offers to attract more customers
- Increased customer attraction by 20% after implementing new type of promotions

ACADEMIC PROJECTS

Stevens Institute of Technology, Hoboken, New Jersey

Jan-April 2019

Spotify: Song Genre Prediction (Python)

- Developed a machine learning model using Python's sklearn library to predict genres of songs with 70% accuracy
- Scraped data from Spotify and created a dataset of 10000 songs and 10 genres, using Python's Spotipy library
- Cleaned and removed outliers found in the data using pandas, applied data scaling using sci-kit learn library
- Performed k-fold cross validation and grid search validation to fine tune parameters, increased accuracy by 10%
- Implemented 10 supervised machine learning algorithms like Random Forest, Naïve Bayes, SVM, etc. for prediction

Eve Online Sentiment Analysis (Tableau, Excel, Python)

Jan-April 2019

- Analyzed 3 million posts from Eve Online forums to generate a hypothesis using sentiment analysis
- Visualized data in Tableau by creating scatter plots, bar graphs and heatmaps for various emotions
- Presented the overall findings in a storytelling presentation format with sales and analysis pitch

Rotten Tomatoes: Movie Genre Prediction (Python)

Aug-Dec 2018

- Scraped data from Rotten Tomatoes using Selenium and BeautifulSoup libraries in python
- Performed data pre-processing to handle the missing and 'NA' values in the data
- Implemented supervised and unsupervised learning techniques for efficient model evaluation
- Trained the model with 15 types of machine learning algorithms
- Analyzed and predicted genre of movies with an accuracy of 80%