Vaibhav Shanbhag

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ **Expected May 2020**
Master of Science in Information Systems, GPA: 3.73/ 4.00

Xavier Institute of Technology, Mumbai University, India **May 2018**
Bachelor of Engineering in Information Technology, GPA: 3.00/ 4.00

RELEVANT COURSE WORK

Web Mining, Database Management System, Big Data Technologies, Data Mining and Knowledge Discovery

TECHNICAL SKILLS

Languages	Python, JavaScript, Bash, R, HTML, CSS, Bootstrap, DOM, RESTful APIs
Libraries	NumPy, Pandas, SciPy, Matplotlib, Seaborn
Frameworks	Selenium, Django, Node.js
Database	PostgreSQL, MongoDB, Cassandra
Tools	Microsoft Suite, Tableau, Apache Spark, Hadoop
Cloud Technologies	AWS - S3, Route53, EC2, Redshift, Lambda, Athena
Certifications	Data Engineer: Mastering the Concepts, Data Science Foundation, Data Ingestion with Python

WORK EXPERIENCE

Software Engineering Intern, NYC Sports LLC/ PlayBook **Fall 2019 – Present**
Playbook is a Sports Management start-up specialized in providing sports management software as service

- Implement MVT architecture in developing web application with help of Django framework
- Engage in software development life cycle (SDLC) of project in python based environment
- Manage EC2, Route 53, S3 services on AWS cloud platform for monitoring company landing page
- Collaborate with QA engineer and senior software developer to fix bugs in production-based websites
- Design, develop, test, enhance and maintain multiple web applications within the Django project for various clients
- Generate and configure Bitnami SSL scripts for word-press website hosted on AWS EC2 instance
- Collaborate with internal teams to convert end user feedback into meaningful and improved solutions
- Take part in debugging and troubleshooting programming related issues
- Deploy web application using the Linux server and git CLI

ACADEMIC PROJECTS

Data Mining on Chicago crime rate in R language

- Studied data mining algorithms, analyzed and modeled crime data of Chicago to predict criminal ward number
- Executed unsupervised learning (k-means) algorithm to cluster data into optimal number of clusters
- Predicted ward number based on IUCR, arrest and location coordinates data by applying C50 decision tree, KNN and SVM

Eve-online: Social Sentiment Analysis and Visualization

- Filtered research data consisting of 1.7 million records to analyze the sentiment of game users on massively multiplayer game platform using SQL stored procedure and presented in Excel
- Implemented dashboards in Tableau for dynamic visualization of various emotions between users over 6 years span
- Presented report on business variations leveraging statistical result for better software upgrade decisions

Cafeteria Review analysis

- Analyzed yelp data to conduct review analysis of current cafeteria business in New York city for improving cafeteria amenities
- Completed data collection using Python web scraping technique and cleaned it to remove anomalies and narrowed it for modeling
- Performed statistical analysis and modeling on whole data-set to evaluate customer retention rate based on customer reviews

Exploratory Data Analysis of Summer Olympics Data

- Performed Exploratory Data Analysis on approximately 2 million Olympics data set from year 1896 to 2016 to find hidden patterns and meaningful insights using NumPy and pandas
- Normalized the data to perform Pareto analysis, calculate competitive index among the users and visualized the results using seaborn, matplotlib to create more attractive and informative statistical graphics
- Inferred that economic growth, greater happiness index and sports awareness can play major role to aid Olympic performance all over the world