

Kumar Kovid

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EDUCATION

Stevens Institute of Technology Master of Science in Information Systems GPA 3.94/4 Coursework: Web Mining, Data & Knowledge Management, Marketing Analytics, Intro to Bloomberg, IT Strategy	Aug 2018 - May 2020 Hoboken, NJ
Government College of Engineering and Technology Bachelor of Engineering in Electrical Engineering	Sep 2013 - Jul 2017 Jammu, India

SKILLS

Tools: Advanced Excel, Tableau, Power BI, Google Analytics, Informatica, Hadoop, Spark, Alteryx, MS Project, MS Access
Programming Languages & Web Frameworks: Python, SAS, R | HTML5, CSS, Flask
Databases: My SQL, SQLite, Oracle, Microsoft SQL server, Postgres SQL, DB2
Python Libraries: Pandas, Numpy, Seaborn, Scikit Learn, re, NLTK, Matplotlib, Selenium, BeautifulSoup4

WORK EXPERIENCE

NYC Department of Finance Data Analyst (Fall Intern)	Sep 2019 - Dec 2019 New York, NY
<ul style="list-style-type: none">Analyzed property, fire, water & permits data using numpy & pandas, across all 5 boroughs of NYC with the Director of Property Analytics Group, identifying almost 4K new property tax evasion casesLeveraged regression, classification & statistical framework models on NYC's property, permits & complaints data to discover 1K illegal constructions from 1.1 million propertiesInvestigated these extracted illegal construction & tax evasion cases for risk & revenue, using additional parameters to scale down to top priority cases for immediate attention, saving 20% physical assessment costTransformed Python reports into impactful stories for Assistant Commissioner employing Tableau & Power BIResearched 2019 Final Assessment Roll for properties worth \$1.25 trillion, to find errors by detailed qualitative checks	
Data Analyst (Summer Intern)	Jun 2019 - Aug 2019
<ul style="list-style-type: none">Created SAS & Python programs to extract historical building stats using NLP & RegEx, from Assessor's textual notes for 50K buildings & compared data points with 3-D mapped view to discover data irregularitiesDeveloped a star-schema relational database after integrating data from MS Excel, MS Access & SAS, reducing formatting & mapping errors by 40%Designed reporting requirements & expedited ad-hoc, weekly & monthly quantitative analysis reporting on KPI's using SQL queries, Excel VBA by using SUM, Sorting, Pivot Tables & Charts, to decrease weekly reporting time by 8 hours	
Tata Consultancy Services (TCS), India Assistant Systems Engineer	Mar 2018 - Aug 2018 Delhi, India
<ul style="list-style-type: none">Collaborated with cross-functional teams to update & maintain 2 internal databases for data analysis & researchOptimized & maintained Informatica workflows on daily basis & generated pivot reporting using advanced ExcelDeveloped problem-solving skills & data relationship understanding to generate decisive business recommendationsSpearheaded 10% improvement for on-time deliverables by supervising communication between IT & business teams	

ACADEMIC PROJECTS

Financial Stock and Risk Analysis Stevens Institute of Technology Python Project	Sep 2019 - Dec 2019
<ul style="list-style-type: none">Extracted data for top 4 tech stocks from Yahoo API, formulated moving averages & computed maximum Value-at-RiskIncorporated Monte-Carlo method to simulate stock prices & found best tech stock to invest for short & long term	
Anti Human Trafficking System UN Office of Drugs & IBM SQL Python Project	Mar 2019 - May 2019
<ul style="list-style-type: none">Investigated relation between NYPD crimes & malicious Ad's posted time, location & cell number dataEstablished a knowledge graph to depict about 100 crime and Ad relations, winning invitation to IBM Horizons event	
Movie Review Sentiment Analysis Personal Project Python	Sep 2019 - Dec 2019
<ul style="list-style-type: none">Extracted 2K movie reviews from rotten-tomatoes using Selenium & manually classified them as positive or negativeImplemented stemming, lemmatization, normalization & kept only adverbs, adjectives & verbs as allowed wordsPredicted polarity & sentiment of unlearned review as an aggregation of 7 classifiers including Logistic, MNB & SVC	

LEADERSHIP ACTIVITIES

GCET, India: Partnered with a 5-member team to organize robotics workshop for IIT-Kanpur	Dec 2019 - Dec 2019
Stevens, USA: Supported 2 badminton competitions with more than 50 competitors	Apr 2019 - Nov 2019