LAKSHYA KUMAR

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EDUCATION

NORTHEASTERN UNIVERSITY   *Seattle, WA*
Master of Science in Information Systems (MS-IS)   *Jan 2020 - Dec 2021*
Courses**:** Program Structures, Data Science Engineering, Application Development   *GPA : 3.7/4.0*

VIDYALANKAR INSTITUTE OF TECHNOLOGY   *Mumbai, India*
Bachelor of Engineering in Information Technology (B.E.)   *Jul 2013 - Jun 2017*
Courses**:** Algorithms, Data Structures, Big Data Analytics, Business Intelligence, Data Mining

SKILLS

Languages:	Python, SQL, Java, JavaScript (React), HTML5, CSS3
Libraries:	Matplotlib, Pandas, Scikit-learn, NumPy, SciPy, Keras, Seaborn
Tools:	Tableau, Jupyter Lab, Conda, Excel, RHEL, Git, Jenkins, Jira, NodeJS
Societies:	Community Health Ambassador at NEU Seattle (2020), Publicity Coordinator at ACM-VIT (2016)

EXPERIENCE

Senior Analyst - Capgemini, Mumbai   *Jul 2017 – Sep 2019*

- Led requirement gathering, workflow designing, documenting functional requirements and on-boarding of client applications onto RSA identity governance tool
- Analyzed and optimized workflow SQL logic within the RSA governance tool to reduce approval workflow bugs
- Conducted UAT plan creation, defined UAT success criteria and led the gap analysis to migrate ~10k identities
- Developed test cases, reported, documented bugs and communicated with remote application development teams to implement bug fixes, achieving 15% reduction in application remote database server downtime
- Translated IAM technical content for upper management using quarterly reports and weekly reviews
- Won the Cyber Star CSU Award in 2018 for documenting and presenting a white paper on the integration of Blockchain and Machine Learning use cases within Identity and Access Management daily operations

PROJECTS

Covid-19 Tableau Dashboard: *September 2020*

- Created a dashboard to visualize the confirmed global cases and indicate the distribution per location using a map

Concrete crack detection using Python and Keras: *May 2020*

- Developed a classification model using Python Keras API, trained it on a dataset with positive and negative labeled ~16k images of concrete surfaces with and without cracks after preprocessing the data using standardization
- Achieved an accuracy score of 98% on the test set using Image Sequential model

King County real estate sale price prediction using Python: *Feb 2020*

- Developed a regression model using Python, trained on Redfin's real estate price dataset with ~6350 data points. Plotted time series graphs to indicate 6-month real estate price forecast based on the model prediction
- Achieved an accuracy score of 90% on the test data set while using 3rd degree polynomial regression

Sentiment analysis on real-time Twitter data using Python and Flask: *Jan 2017*

- Built a model using Python nltk library and trained using 5,000 tweets based on a keyword. Created a flask-based web application to create a dynamic scatter plot dashboard to show sentiment scores