LAKSHYA KUMAR

Kirkland, WA | (425)-389-9222 | Mail | LinkedIn | GitHub | Website

---

EDUCATION

NORTHEASTERN UNIVERSITY   *Seattle, WA*
Master of Science in Information Systems (MS-IS)   *Jan 2020 - Dec 2021 (Expected)*
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:	SQL, Python (Matplotlib, Pandas, Scikit-learn, NumPy, SciPy, Keras, Seaborn), R
Soft Skills:	Problem Solving, Critical Thinking, Confidence, Strong written and verbal communication
Tools:	Tableau, Jupyter Lab, Conda, Excel, Power BI, Linux, Git, Jenkins, Jira
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 and on-boarding of client applications onto identity governance tool and conducted the gap analysis using Excel to meet identity governance regulatory compliance
- Translated technical content to application stakeholders through quarterly reports and weekly reviews using Excel
- Wrote SQL queries to optimized workflow processes such as flow decision logic, approval nodes based on client feedback and troubleshooted time sensitive critical operational bugs in the business workflows
- Collaborated with security operations team to handle migrate ~10k identities after client's corporate spinoff
- Developed test cases, documented test scripts and communicated with multiple teams to implement bug fixes, achieving 15% reduction in application server downtime
- Volunteered in a resume building workshop for underprivileged students as part of Capgemini's CSR program
- Won the Cyber Star CSU Award in 2018 for documenting and presenting use cases on the integration of Blockchain and Machine Learning within Identity and Access Management daily operations

---

PROJECTS

Covid-19 confirmed cases/deaths dashboard using Tableau: *Oct 2020*

- Built a dashboard indicating the coronavirus spread plotted on the world map and graphs indicating the confirmed cases/deaths on log/default axis. Designed bar plots to indicate the countries with highest confirmed cases

Surface crack detection using Python: *May 2020*

- Designed a classification model using Python Keras deep learning framework, trained it on a dataset with ~16k images of concrete surfaces with and without cracks, collated results in an output file with classified labels
- Achieved a high accuracy score with the input data and plotted misclassified samples to detect false positives

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

- Designed a regression model using Python, trained on Redfin's real estate price dataset with ~6350 data points
- Plotted time series graphs to indicate median price changes through the last decade, box plots to detect outliers in data, and heatmaps to understand correlation between the indicator and predictors

Twitter sentiment analysis web application using Python: *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