URVI ARYAMANE

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EDUCATION

Northeastern University, Boston, MA
Masters of Science in Information Systems **GPA: 3.59**   Expected Graduation Date: April 2023

Relevant Courses: Database Management and Database Design **(SQL)**, Program Structures and Algorithms **(JAVA)**, Application Engineering and development **(JAVA),** Data Science Engineering Methods & Tools, Designing Advanced Data Architectures for Business Intelligence

University of Mumbai, Mumbai, India
Bachelor of Engineering, Computer   June 2019

TECHNICAL SKILLS

Programming Languages: Python, Java, C**,** HTML, CSS, PHP, T-SQL
Database: MySQL, MongoDB, MS-SQL
Development Tools: NetBeans, IntelliJ, Android Studio, Microsoft Suite, GitHub, Jupyter Notebook, Google Colaboratory, PowerBI, MySQL Workbench, SQL Server Management Studio, SQL Server Integration Services, SQL Server Reporting Services
ML Algorithms: Logistic Regression, decision trees, random forest, support vector machine
Libraries: NumPy, Scikit learn, Pandas, Keras, TensorFlow, Matplotlib

WORK EXPERIENCE

APSIT Skills, *Intern*, Mumbai, India (***NumPy, Pandas, Matplotlib, Scikit learn***)   June 2020-July 2020
- Trained a machine learning model to classify 2 types of breast cancers (**benign or malignant**)
- Utilized **UCI Machine Learning** Repository for breast cancer dataset consisting of 1000 rows of numerical data
- Executed 7 different supervised learning **classification algorithms** and visualised data for each classification model

ORIZE Property Management Pvt. Ltd, *Android Application Developer*, Mumbai, India   June 2019-February 2020
- Managed and coordinated user interface designs, application maintenance and upgrade management of **B2C** and **B2B** applications
- Developed a **QR Scanner Application (JAVA)** for 3 departments of ORIZE by eliminating need for manual checklists
- Achieved **70%** digitization of campus and organizational activities in fast paced environment

ACADEMIC EXPERIENCE & PROJECTS

Covid-19 Simulator (*JAVA, PowerBI*)   January 2021-April 2021
- Designed a simulator to **map spread** for 2 types of viruses taking into consideration **r-factor** and **k-factor**
- Simulated spread of **SARS-COV** and **SARS-COV2** viruses by considering 5 factors such as imposing **lockdown**, usage of **masks**, maintaining **social distancing**, following **quarantine** rules and implementing **vaccinations**
- Showcased **worst-case growth** (quadratic), **invariant** and **entropy** of algorithm from simulation

24*7 Healthcare Management System (*JAVA, Swing*)   January 2021-April 2021
- Created an online **healthcare** application to provide patients an efficient system for **online consultation** with doctors
- Streamlined process of **appointment scheduling**, **bill payments**, **report generation, medicine approval**, **order** and **delivery**
- Ensured **adequate control** of information generated by **CDC**, **pharmaceuticals**, **pharmacies**, **hospitals** and **patients**

Procurement Management System (*T-SQL, PowerBI, MongoDB Compass, SSMS*)   July 2020**-**August 2020
- Devised a system with 14 entities resulting in responsible direction of organization's resources, supplier information, streamlining of department processes by engaging local suppliers and **effective budget allocation**
- Prevented **unauthorized purchase** in organization implementing ticket approval procedure
- Calculated expenses of 7 departments and prepared a budget accordingly to interrupt unnecessary expenditure

Leaf Disease Detection Using Image Processing and Neural Networks (*Python, CNN*)   July 2018**-**March 2019
- Built a **CNN** model **(Image processing)** to detect and classify different types of diseases in leaves and suggest a possible treatment
- Analysed a dataset of approximately **60000 images** as an input to CNN model
- Implemented **data augmentation** technique to prevent overfitting of input images and improve model accuracy

Online Training and Recruitment Management System (*HTML, JavaScript, PHP*)   July 2017-December 2017
- Formalized a system to help Job-Seekers seek employment opportunities to gain industry exposure
- Constructed a **coherent system** flow with no ambiguity for smooth use of system
- Instituted a specialized software for recruiters saving time, effort and financial resources