TANAYA KULKARNI

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Education

Master of Science in Software Engineering Systems
Northeastern University, Boston, MA **Expected Dec'22**
Relevant Courses: Object Oriented Design in Java, Program Structures and Algorithms

Bachelor of Engineering in Electronics and Telecommunication
University of Mumbai, India **Aug'16 – Nov'20**
Relevant Courses: Embedded Systems, Database Management System (DBMS), MIS

Technical Skills

Programming Languages:	Java, C++, Python, HTML, CSS, SQL
Tools:	Microsoft Office 365, Eclipse IDE, NetBeansIDE, PyCharm, Jupyter notebook, Visual Studio Code, AutoCAD, Scilab, Qwiklabs.
Certificate Courses:	Industrial IoT using GCP, Introduction to IoT and Embedded Systems
Publication:	CHILD TRACKING SYSTEM USING RASPBERRY PI International Journal of Scientific Research in Engineering and Management (IJSREM) Volume 04, Issue 09, September 2020.

Professional Experience/Internships:

Northeastern University Health & Counseling Services **Feb'21 -Present**
Patient Care Associate/Help Desk Staff

- Monitored, tracked & conveyed important data of 10,000+ patients to healthcare staff to help optimize testing process and planning
- Ensured strict hygiene standards and compliances like ADA and HIPAA at the testing center
- Maintained optimal supply levels at the testing counters to meet up the typical patient loads and assisted 500+ participants at the help desk

Diginique Techlabs **July'20**
Project Trainee/Intern

- Gained insight on implementation of ML algorithms like Random Forest, KNN, Linear Regression using Python
- Implemented a project, "Music Genre Classifier at the end of this training

Projects

Biological Growth Simulation **March'21**

- Created a GUI which simulates tree growth using 3 different rules in Java
- Added interfaces to collect growth data and generate statistics and demonstrated valid growth
- Created Use Cases plus a Sequence Diagram that describes the program's operation
- Displayed the progress and results of the simulation using a graphical display panel

Music Genre Classifier Using KNN Algorithm **Sep'20**

- Used a conventional machine learning approach for classification by selecting suitable features of audio files, using K Nearest Neighbors algorithm
- Predicted the genre of an unknown audio file using the obtained features with a training accuracy of 69% and testing accuracy of 66%

Child Tracking system using Raspberry Pi. **Jun'20**

- Implemented a to help parents to track their children in real time
- Programmed the Raspberry Pi using Python AT+ commands