**SARANYA KRISHNAMURTHY SANKAR**

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**EDUCATION**

**Northeastern University,** Boston, MA **Expected May 2024**

Masters of Science, Information Systems

**Relevant Courses:** Application Engineering & Development, Database Management & Database Design

**Meenakshi Sundararajan Engineering College, India May 2021**

Bachelor of Engineering in Computer Science and Engineering

**Relevant Courses:** Object-Oriented Programming Systems, Data Structures, DBMS, Operating Systems

**SUMMARY**

I’m a graduate student at Northeastern University, Boston, pursuing my Master’s in Information Systems. I’m currently in the first semester of my master’s program, specializing in Java and Database, and expecting to graduate by May 2024. Gained Hands-on working experience with technologies such as Java, MySQL, JavaScript, HTML, and CSS.

**SKILLS**

Programming Languages: Java, HTML, CSS, SQL, Python

• Database: MongoDB, MySQL.

• Software: NetBeans, IntelliJ, PyCharm, Eclipse, GitHub, Office 365.

• Others: Software Development Lifecycle (SDLC), Problem Solving, Logical Reasoning.

**INTERNSHIPS**

## Intern, Elite Techno Groups Sep 2021

* Worked on Python for Machine learning projects.

## Project Intern, Hexact Technology Solutions Mar 2021

* Worked on the project ‘An Internet of Things Based Clothes Drying System’

# PAPER PUBLICATIONS AND PRESENTATIONS

* Published a paper on “An Internet of Things based Weather Monitor System for Drying Clothes” in the International Journal for Research in Applied Science and Engineering Technology DOI: https://doi.org/10.22214/ijraset.2021.34666(May 2021)
* Presented paper on ‘Brain Computer Interface’ in ECUBE conducted by the college(2019)
* Presented paper on ‘Wearable Computing Devices’ in ECUBE conducted by the college(2018)

# RESEARCH/ACADEMIC PROJECTS

**“INTERNET OF THINGS BASED CLOTHES DRYING SYSTEM”**

The project aims towards developing a smart way of monitoring the change in weather using sensors in areas where we dry out our clothes and the data is sent to the cloud by implementing message queuing telemetry transport protocol. Customized alert notifications are sent via software application to the right person and the user can subscribe to the application and the updates from the implemented system in their smartphone.

**“FOOD RECOMMENDATION SYSTEM USING K-NEAREST NEIGHBORS (KNN) ALGORITHM AND MACHINE LEARNING”**

The main idea of the project is to develop a Machine Learning model that uses the k-nearest neighbors (KNN) algorithm to recommend food items to the customers who order from the application based on their location, age, and rating, of the food item from a particular restaurant.

**“SUMMER OLYMPIC DATA ANALYSIS WITH PYTHON”**

This is a Data Analysis project done using Pandas and this project was given by Elite Techno Groups. The raw data of the summer Olympics are taken and some questions are answered to get an overall analysis of the games and also plotted a graph for better visual understanding

# ACHIEVEMENTS/ACTIVITIES:

# • Attended a technical seminar on “Cloud Computing” organized by Computer Society of India (2019)

# • Attended a workshop on ‘Web Development’ organized by OneYes Technologies (2018)

# • Attended a webinar on “Machine Learning’ conducted by Perfect eLearning (2021)

# • Organized the National level technical symposium “Kranti 2k19” at Meenakshi

# Sundararajan Engineering College (2019)

# • Achieved third place in "Table Tennis" in Inter YMCA Table Tennis Tournament,(2011)

# • Environmental Commander in college (2019)

# • Organized and participated in various community services at 'Sri Sathya Sai Seva Organization'