NAME : **RANJANI R**
ID NO : **18MX217**
DEGREE : Master of Computer Applications
BRANCH : Computer Applications
COLLEGE : PSG College of Technology, Coimbatore
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Father's name : Rajendran V
Gender : Female
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ACADEMIC RECORD

Course	Institution	Board / University	Year of Completion	Marks (% or CGPA)
X	P.S.G.R Krishnammal Higher Secondary School, Coimbatore	State Board	2013	98.00
XII	P.S.G Sarvajana Higher Secondary School, Coimbatore	State Board	2015	90.91
B.Sc COMPUTER SYSTEMS & DESIGN	PSG College of Technology, Coimbatore	Anna University	2018	9.60
MCA	PSG College of Technology, Coimbatore	Anna University	2021	9.96*

* - CGPA till semester III

MCA - SEMESTER GPA

Semester	I	II	III
GPA/10	10.00	9.96	10.00

AREAS OF INTEREST

- Data Structures and Algorithms
- Object Oriented Programming with C++
- Operating System Concepts
- Data Science

SKILL SET

Languages	C, C++, Java, Python, R, Assembly Language, Shell Scripts
Web Technologies	HTML, CSS, JavaScript, PHP
Back Ends	MySQL
Frameworks/SDKs	Flask, TensorFlow, Spring, Hibernate, Android
Platforms	Linux, Windows
Tools	MATLAB, Codeblocks, NetBeans, RStudio, Android Studio, Anaconda

ACADEMIC PROJECTS

- **Hidden Community detection (HICODE)** in Social Networks based on Reachability Matrix. Reachability matrix is implemented using **NetworkX** graph data structure in Python. Communities are generated from the reachability matrix using Linear time Closed item set Miner algorithm (**LCM**). HICODE can detect the threatened activity patterns in social networks.

  Tools & Technologies used: Python, NetworkX, Flask

- Enumeration of **maximal bicliques** from a large undirected graph using **TWINBLADE** algorithm. Divide the graph into two sets such that each node from set1 is connected to all the nodes in set2. Maximal bicliques are generated using duplicate pruning concept.

  Tools & Technologies used: C++, Graph Data structure

PACKAGE WORKS

- **Connect Globe** – To develop a real time group chatting system developed using **Socket programming** and **Multi-threading** concept in Java. It consists of two applications the client application, which runs on the user's Pc and server application, which runs on the network. This project is deployed in a **Client/Server** Architecture.

  Tools & Technologies used: Java, Socket programming, Multithreading

- **Hash Map for Voting** – To make an efficient constant time search, insertion operations among a huge set of voters list. A custom **Hash Map** class is generated and implemented in online voting system using **C++.** Hash Map uses **key-value** pairs where the voter identification number will act as a key and all the details corresponding to that voter will act as values.

  Tools & Technologies used: C++, Hash Map, OpenCV

- **Stock Price Prediction** –To determine the future stock price of **Amazon** company in order to help the investors and the company. This project works based on the past stock price value of Amazon. It can detect the four distinct phases of business cycle which are boom, recession, depression and recovery. Implemented three different algorithms **KNN**, **Linear Regression** and **Moving Average method** to predict the stock price of Amazon in **Python.**

  Tools & Technologies used: Python, pandas, numpy, matplotlib, sklearn

ACADEMIC ACHIEVEMENTS AND EXTRA-CURRICULAR ACTIVITIES

- Successfully completed **AWS Foundations**: Getting Started with the AWS Cloud Essentials course offered by Amazon Web Services in June 2020.
- Successfully completed Basic **Image Classification** with **TensorFlow** an online non-credit course authorized by Coursera Project Network and offered through **Coursera** in June 2020**.**
- Successfully completed **Career Edge** - Knockdown the Lockdown online course offered by **TCSiON** in May 2020.
- **Convenor** for the workshop Python in Data Analytics in **KRIYA 2020**, The Global Clash of Techno Talentz conducted by PSG College of Technology in February 2020.
- Won **BEST ACADEMIC PERFORMANCE AWARD** (I MCA) for the year 2018-2019.
- Won first prize in the event **Math Mystery** conducted as a part of **MINDS 2k19**, an Intra department Technical Fest, PSG College of technology in February 2019.
- Got **BEST ALL ROUNDER AWARD** for the performance in curricular, co-curricular and extra-curricular activities for the year 2017-2018 by **PSG TECH ALUMNI ASSOCIATION**.
- Secured **First Rank** in **BSc** Computer Systems & Design degree programme 2015 batch.
- Member of Indian **Junior Red Cross** Society.
- Won first prize in Coimbatore **District Level Quiz** Competition organized by the Indian Red Cross Society.

HOBBIES

- Surfing Internet
- Gardening

DECLARATION

I, Ranjani R, do hereby confirm that the information given above is true to the best of my knowledge.

Place : Coimbatore

Date : (RANJANI R)