

## CERTIFICATIONS

### NEURAL NETWORK AND DEEP LEARNING

deeplearning.ai, Coursera  
Instructor: Andrew Ng  
Secured 95.57 percentile

### PYTHON UDEMY

### C++ – DATA STRUCTURES AND ALGORITHMS CODING BLOCKS

## PROGRAMMING LANGUAGES

C++ • C  
PHP • JavaScript • HTML • CSS  
SQL

## TOOLS AND FRAMEWORKS

DJANGO • LARAVEL • GIT •  
VIM • TENSORFLOW

## THEORETICAL CS

Data Structures &  
Algorithms,  
Analysis & Design of  
Algorithms, Intellectual  
Proprietary Rights and  
Cyber Law

## APPLIED CS

Machine Learning,  
Computer Graphics,  
Software Engineering

## SYSTEMS

Implementation of  
Programming Languages,  
Databases, Operating  
Systems, Computer  
Architecture

## MATHEMATICS

Calculus, Numerical Analysis,  
Linear Algebra, Differential  
Equations, Discrete  
Mathematics

# SHIVANGI MEENA

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## DELHI TECHNOLOGICAL UNIVERSITY

(DELHI COLLEGE OF ENGINEERING)

BACHELOR OF TECHNOLOGY IN COMPUTER ENGINEERING

2017 - 2021 | New Delhi, India

## MAYO INTERNATIONAL SCHOOL

Completed 12<sup>th</sup> in CBSE BOARD (2017) | Delhi, India

## ST. FRANCIS SCHOOL

Completed 10<sup>th</sup> in CBSE BOARD (2015) | Ghaziabad, India

## Online Employee Data Handling and Management System

LASTEC, DRDO | FULL STACK DEVELOPMENT INTERN

Laser Science and Technology Centre, Defence Research & Development Organization  
(Ministry of Defence, Govt of India)

*Guide: Scientist 'D' Mamta Meena (LASTEC, DRDO)*

- Developed an operational online dashboard for the administrator to monitor and update information of the employees on, allowing only the admin to add new employee information.
- Used PHP, JavaScript and optimized queries for fast data retrieval from a MySQL database stored in their servers.
- Another contribution I made was to add leaves and grievances letter submission options to the system. Initially, employees had to hand in letter of leaves, complaints and grievances physically to the group or division head for the approval. I added this functionality in the system so that employees could submit such forms online to their respective heads and the approval could also be given online itself. This involved creating a new database class as well as migrating existing user data.
- Improved overall infrastructure of the library and introduced changes to speed up build times.

## OTHER PROJECTS

### Student Result Management System | Software Engineering

Student result management system is created to mechanize student result administration. This is a mechanized examinations results administration framework for student's examination records. I did this as a part of the curriculum of our Software Engineering course.

### **Online Beats Maker** | (Completed)

Developed an online web application where user can make sounds with just one tap.

### **Voice Assistant** | (Ongoing)

A voice assistant is a digital assistant that uses voice recognition, natural language processing and speech synthesis to provide aid to users through phones and voice recognition applications. In general voice assistants react to voice commands and give the user relevant information about his inquiry.

### **2048 (GAME)** | (Completed)

- Implemented this game using MINIMAX Algorithm.
- The game's objective is to slide numbered tiles on a grid to combine them to create a tile with the number 2048. However, one can continue to play the game after reaching the goal, creating tiles with larger numbers.

### **Scheduling Algorithms** | (Operating Systems)

Implemented scheduling algorithms used in processors for processes using C++.