

Meena Kumaari M M

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COMPETITIVE PROGRAMMER

Motivated recent graduate with a robust background in programming, web development, and database management. Eager to apply my skills in a challenging role, driving innovation and enhancing system functionality. Proficient in C, C++, Java, Python, and Linux. Excellent communicator and team player, committed to ongoing learning and professional excellence.

EDUCATION

<i>Carol Matriculation Higher Secondary School</i> Secondary Education*	<i>2017 - 2018</i> 97.6%
<i>Carol Matriculation Higher Secondary School</i> Higher Secondary Education*	<i>2019 - 2020</i> 84.6%
<i>Ponjesly College of Engineering, Nagercoil</i> Bachelors in Information Technology *	<i>2020 - 2024</i> CGPA: 8.90
<i>Relevant Coursework:</i> OOPS, Python, Data Structures, Design and Analysis of Algorithms, DBMS, OS	

PROJECTS

School Management Application in Salesforce

- Salesforce-based application for managing school operations.
- Utilizes Salesforce CRM, Apex for backend, Visualforce for UI.
- Enhances efficiency and organization in school administration.
- Technology Used: Apex, Visualforce, Lightning Components.

Student and Faculty Performance Analysis System

- Android-Based System: Developed app for student and faculty performance analysis in educational institutions.
- Technology Stack: Utilized Android Studio with XML for front-end design and Java with SQL for backend functionality.
- Automated Analysis: Enables efficient computation of departmental results, pass percentages, and staff performance, minimizing manual efforts.
- Technology Used: Java, XML, SQL.

Vitamin and Blood Group Deficiency Based on an Artificial Neural Network

- Developed non-invasive blood group measurement and vitamin deficiency detection using image processing and deep learning.
- Addressed global healthcare needs, particularly in developing countries, by offering cost-effective and efficient solutions.
- Explored novel data collection methods and proposed innovative diagnostic approaches to enhance healthcare accessibility.
- Technology Used: Python, HTML, CSS, JavaScript, Django, Bootstrap, SQL, Jupiter Notebook, Keras, Matplotlib.

TECHNICAL SKILLS

- Programming Languages:** C++ | C | Java | Python
- Web Development:** JavaScript | HTML | CSS | Django | Flask | Bootstrap | jQuery
- Databases:** MySQL | MongoDB

- **Core Concepts:** DSA | Object Oriented Programming | Database Management System | SDLC
- **Operating System:** Linux commands | Multithreading | Process scheduling algorithms | Page Replacement Algorithms | Memory Allocation | Process synchronization | Critical Section problem
- **Computer Networks:** TCP/IP | UDP | OSI Model | Networking protocols | Network Topology

COURSES AND INTERESTS

- **Courses:** JavaScript Algorithms and Data Structures (freeCodeCamp), Angular | MongoDB | Node.js (Infosys Springboard), Networks (Cisco), Python | HTML (Solo learn), Microsoft Azure Data Fundamentals (Microsoft).
- **Technical Interest:** Problem Solving, Web development, Project Presentations & Webinars
- **Interview Preparation from Industry people:** Interview Preparation Course on Time Complexity Analysis, Sorting Algorithms, Strings, Dynamic Programming, Segment Tree, Array, Matrix, Linked list, Stack & queue, HashMap, Heaps, Backtracking, Trees, Graphs and CS fundamentals, DBMS, OS, Data Structures.

ACHIEVEMENTS

- Finalist in Kumari Startup Summit Ideathon for "Brain Controlled Car for Disabled People Using AI" (March 2023).
- Presented at International Conference on Recent Trends in Computing and Communication Engineering (ICRTCCE 2024) on "Neural Network-Assisted Diagnosis for Blood Group Typing and Vitamin Deficiency Detection.
- Overall, Champion at National Level Technical Symposium, St. Xavier's Catholic College of Engineering (March 2023).
- Multiple awards in interdepartmental competitions during college.
- Participated in AICTE Hackathon and ICT Academy Learnathon 2022

ROLES AND RESPONSIBILITIES

- **Project Team Leader:** Led a team of 4 members in Smart India Hackathon.
- Created challenging problem statements for college coding contests.
- Class Representative, organize meeting & solve issues.
- Event Coordinator, National Level Technical Symposium.
- Initiated and led a campus-wide blood donation campaign, collaborating with local blood banks and health organizations to ensure a successful event.
- Organized and managed Photography event on campus, overseeing logistics, coordinating volunteers, and ensuring the event's success

CERTIFICATES

- Online certification in HTML, Python, Java offered by Solo learn.
- Online certification in JavaScript Algorithms and Data Structures offered by FreeCodeCamp.
- Online certification in Angular, Node.js, MongoDB offered by Infosys Springboard.
- Online certification in Process Automation Bootcamp Offered by Celonis Academy.
- Online certification in Introduction to Microsoft Power Platform Fundamentals offered by Microsoft
- [Certificates](#)