

MOHAN RAO SOLANKI

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I am looking for a role which provides a platform for my career by allowing me to utilize my skills and provide me with relevant knowledge.

EDUCATION

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| Madanapalle Institute of Technology and Science (CGPA: 8.23) <i>Bachelor of Technology in Electronics and Communication Engineering</i> | Madanapalle, Andhra Pradesh 2020-2024 |
| NRI Junior College (CGPA: 7.11) <i>MPC</i> | Tirupathi, Andhra Pradesh 2018 - 2020 |
| VSN Siddhartha High school (CGPA: 9.5) <i>Secondary School Certificate</i> | Piler, Andhra Pradesh 2017 – 2018 |

TECHNICAL SKILLS

ORACLE SQL

- Extensive experience in writing SQL queries and performing CRUD operations on RDBMS (Relational Database Management Systems).
- Proficient in Joins, Subqueries, and solving complex queries.
- Strong understanding of SQL concepts like Pseudo Columns, Grouping, and built-in SQL functions.
- Skilled in using DDL (Data Definition Language), DML (Data Manipulation Language), TCL (Transaction Control Language), and DCL (Data Control Language).
- Hands on experience with database systems including Oracle, SQL Server, and MySQL.
- Proficient in database normalization up to 5NF (First, Second, Third Normal Form, Boyce-Codd Normal Form, and Fifth Normal Form).

HTML

- Proficient in using semantic and non-semantic HTML tags for structured and meaningful content.
- Skilled in applying local and global attributes for enhanced HTML functionality.
- Experienced in inserting media files and hyperlinks for dynamic web pages.
- Able to create lists and tables to organize content effectively.

CSS

- Knowledgeable in using different types of CSS, including selectors, combinators, and pseudo-selectors.
- Proficient in applying CSS properties such as the box model (margin and padding), position, and display.
- Understands principles of responsive design for optimized user experience across devices.
- Basic experience in creating animations using CSS..
- Experienced in inserting media files and hyperlinks for dynamic web pages..

JAVASCRIPT

- Strong understanding of JavaScript keywords, variables (including scope), and data types.
- Familiar with ES6 features like arrow functions, template literals, restructuring, and modules.
- Skilled in using operators, including arithmetic, comparison, spread, and rest operators.
- Proficient in working with functions, arrays, objects, and strings, with knowledge of restructuring and rest parameter.
- Experienced in manipulating the DOM, performing data validation, and using promises, async, and await for asynchronous operations.

PYTHON

- Proficient in basic syntax, variables, and data types.
- Skilled in if-else, switch, and loop structures.
- Knowledge of try-catch blocks and error management.
- Proficient in creating classes and objects, implementing encapsulation with access modifiers, and using getter/setter methods.
- Skilled in inheritance for code reuse and applying polymorphism through method overloading and overriding.
- Experienced in abstraction with abstract classes and interfaces, along with multiple interface implementations.
- Familiar with constructor overloading and using super and this keywords for object-oriented programming flexibility.

PROJECTS

Blood Cell Classification Based on Convolutional Neural Network / *Developed a CNN-based system for classifying various blood cell types.*

- The project explores the classification of blood cells utilizing Convolutional Neural Networks. The research encompasses various blood cell kinds, including Neutrophils, Basophils, Eosinophils, Lymphocytes, Immature Granulocytes, Monocytes, Erythroblasts, and Platelets
- This study integrates classification accuracy and symptom presentation to comprehensively identify blood cell deficiencies based on classification results.

Tourism Page / Tourism Web Application with Interactive Navigation and Detailed Views

- Streamlined task management through a combination of HTML, CSS and Bootstrap for an intuitive interface.
- Developed a dynamic tourism-themed web application using HTML and CSS with Bootstrap integration, implementing interactive navigation and detailed views for various destinations. Enhanced user experience by incorporating responsive design, custom styles, and a carousel feature for image displays.

Technologies used: HTML, CSS and Bootstrap

COURSES\CERTIFICATIONS

- Introduction to Machine Learning
- Static Website
- Introduction to Databases - SQL
- Programming Foundations with Python.

Extra circular Events\ Achievements

- Accepted Project Paper in IEEE Conference.
- Awarded a certificate by IEEE Hyderabad for a poster presentation at the institute level
- Actively participated in cultural events and competitions for the Arts & Culture Club.