

MOPIDEVI PAVITRA SURYA

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EDUCATION

Bachelor of Technology

2020 - 2024

Indian Institute of Information Technology

Sricity, Chittoor, Andhra Pradesh

Computer Science and Engineering - **CGPA: 7.5**

SKILLS SUMMARY

Languages: Python, HTML, CSS, JavaScript, Object Oriented Programming, Data Structures and Algorithms.

Developer Tools: VS Code, GIT, MySQL.

Frameworks: GitHub, ReactJS, NodeJS, ExpressJS, Git, MongoDB.

Soft Skills: Leadership, Event Management, Time Management, Teamwork.

EXPERIENCE

CodSoft

Oct 2023 - Nov 2023

Python Programming

Remote

- Password Generator: Built a Python tool to generate secure, random passwords based on user-defined length.
- Developed a Rock-Paper-Scissors game, implementing game logic to determine winners based on standard rules.
- Created a basic calculator to perform arithmetic operations, allowing users to input numbers and select operations for results.

Innovixion

Nov 2023 - Dec 2023

Python Development

Remote

- Developed a To-Do Application in Python, enabling users to add, delete, and manage tasks efficiently.
- Designed a Number Guessing Game, challenging users to guess a randomly generated number within a limited number of attempts.

PROJECTS

DRUG TARGET INTERACTION AND PREDICTION | Machine Learning

- Developed a machine learning model for predicting drug-target interactions using GCNN to analyze complex biological data.
- The project involved web scraping, data preprocessing, feature engineering, and model evaluation.
- Achieved a prediction accuracy of 83.5%

HEALTH STACK | MERN Stack

- Developed a comprehensive e-commerce platform with an admin portal for online medicine and healthcare products, similar to Amazon and Flipkart.
- Secured user access with JWT authentication and email OTP verification.
- Utilized RESTful APIs for efficient frontend-backend communication, enhancing overall user experience.

LIBRARY MANAGEMENT SYSTEM | OOPS(Java), MySQL

- Developed a terminal-based Library Management System using Object-Oriented Programming in Java, integrated with a MySQL database.
- The system manages a collection of books and supports operations like counting specific books.
- Applied encapsulation, inheritance, and polymorphism to ensure scalability and ease of maintenance.

CERTIFICATIONS

- Python - EDUCBA
- SQL - SkillUp

EXTRACURRICULAR

LeetCode

- Solved 300+ problems using Python, C++, Java and MySQL.

CodeChef

- Solved 250+ problems using Python, C++, and Java.