Sakshi Patil

Computer Engineering Student

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Highly motivated 3rd year Computer engineering student with a strong foundation in C++, Java, Python, and web development frameworks like React.js and Django. Skilled in data structures and algorithms, passionate about problem-solving and innovation. Eager to collaborate with cross-functional teams and make a meaningful impact as a software engineer intern. Thrives in fast-paced environments and committed to continuous learning. Ready to contribute expertise in creating exceptional software solutions for the future.

EDUCATION

Bachelor's in Computer Science Engineering

Fr. Conceicao Rodrigues Institute of Technology

10/2022 - Present *with 9.87 CGPA*

Courses

- Data Structures and Algorithms
- Machine Learning
- Object-Oriented Programming
- Android Development
- Cloud Computing
- Web Development
- Operating System
- Computer Networks

Diploma in Electronics And Telecommunication Engineering

Agnel Polytechnic, Vashi, Navi Mumbai

08/2019 - 08/2022 *with 91.65%*

PERSONAL PROJECTS

Data Structures & Algorithms and Django Data Visualization Projects

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- **Employee Attrition Dataset :** It includes information about employees within an organization, capturing various attributes that are relevant to understanding and analyzing attrition patterns.
- **US - ACCIDENT Dataset :** Kaggle Dataset Analyzed using Google Colab notebook in Python and Visualized patterns in web application using Django framework.
- **Sudoku Solver :** Developed a Sudoku solving algorithm using HTML, CSS, Javascript and backtracking algorithm. Designed an intuitive user interface for input and visualization.
- **Shortest Path Finder :** Implemented Dijkstra's algorithm in HTML, CSS and Javascript to find the shortest path between two points in a grid.
- **N Queens Visualizer :** Created a visualizer in HTML, CSS and Javascript for the N-Queens problem. Demonstrated strong problem-solving abilities in generating N-Queens solutions efficiently.
- **Binary Tree Visualizer :** Binary Tree, Max Heap, and Binary Search Tree Visualization using HTML, CSS, and Javascript.
- **Tic Tac Toe :** Tic Tac Toe AI verses Human game using Minimax backtracking algorithm.

TECHNICAL SKILLS

Languages: Java, Python, C++, JavaScript, HTML5, CSS3

Frameworks: Django, React.js | Version Control: Git

Tools: Jenkins | Databases: MySQL, MongoDB

Operating Systems: Windows, Linux

TEAM PROJECTS

FIND MY CNG - Mobile App

- Software Components Used:
- Emulator: Android Virtual Device (AVD) for testing Android apps on PC.
- Android Studio: Official IDE for Android app development.
- XAMPP Server: Bundle for local web development (Apache, MySQL, PHP, Perl).
- The app allows users to locate nearby CNG stations, view real-time availability, and navigate to the selected station using Google Maps. By analyzing user preferences and arrival patterns, the app seeks to improve queue management. It also considers factors such as the number of filling units, CNG pressure, staff behavior, and customer interactions during the actual refueling process. Moreover, the app streamlines the payment process by enabling users to make CNG payments directly through the application.

IOT BASED PARKING SYSTEM

- A smart parking management system that allows drivers to use a website to search for and reserve a parking slot and a solution enable the municipalities to manage and reduce parking search traffic on the streets.

LEADERSHIP AND INVOLVEMENT

IEEE

Member

MARATHI MANDAL

Sponsorship Member

ACHIEVEMENTS

MAR 2022 | Participated in STATE LEVEL TECHNICAL QUIZ COMPETITION and Achieved 1st Prize in it.

MAR 2023 | Won 1st Prize in MASTERCHEF Competition.

LANGUAGES

English

Native or Bilingual Proficiency

Hindi

Native or Bilingual Proficiency

Marathi

Native or Bilingual Proficiency