

Mohan Varma Bh

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Profile

Detail-oriented Computer Science graduate with a CGPA of 8.53, skilled in web development using Flask and React.js. Knowledgeable in database management and AWS cloud technologies and vercel for deployment of websites. Proven collaborator with experience in tech projects, eager to apply Agile methodologies in a dynamic environment. Committed to continuous learning and delivering impactful solutions.

Education

B.Tech in Electrical and Computer Engineering	8.53/10.0
Amrita Vishwa Vidhyapeetham. Amritapuri, Kerala	2021-2025

Projects

Finding Brain Tumor Location from MRI Scans

Machine learning, HTML, CSS, Reactjs, Flask, AWS EC2

Present

Developed a machine learning model to detect brain tumor locations in MRI scans. Currently building a full-stack web application for enhanced data visualization and user interaction. Designed a responsive user interface using HTML, CSS, and React.js. Planning to deploy the model on AWS EC2 for optimized performance across devices.

End to End blog website

Python, flask framework, HTML, CSS, AWS EC2

September 2024

Developed a full-stack web application for blogging and sharing experiences using Flask and MySQL for the backend. Implemented dynamic content rendering with Jinja for seamless user interaction and deployed the application on AWS EC2 for scalability. Optimized backend processes for efficient data handling, ensuring a user-friendly interface. Enhanced security through user authentication and session management, and utilized Git and GitHub for version control and collaboration.

Tic-Tac-Toe

Html, Css, Java Script

July 2024

Created a clean and visually appealing user interface using HTML and CSS Implemented game logic in JavaScript, including turn-based gameplay and win condition checks Utilized DOM manipulation to dynamically update the game board and display game status Incorporated responsive design principles for optimal display across various device sizes Implemented game reset and new game functionality for seamless user experience

Solar Power Prediction

Machine Learning, Python, Pandas

December 2023

Navigated the complexities of developing a machine learning model for solar power prediction, addressing challenges in data gathering, preprocessing, and algorithm selection to ensure precise forecasts. Seamlessly integrated data collection, preprocessing techniques, and the deployment of Random Forest, Decision tree and Linear Regression algorithms. Accomplished the primary goal of producing accurate solar power forecasts, with Random Forest emerging as the superior performer over Linear Regression and decision tree.

Technical Skills

- **Programming Languages:** Python, C++, SQL.
- **Data Structures and Algorithms:** Proficient in implementing and analyzing algorithms and data structures.
- **Web Development:** Html, CSS, JavaScript.
- **Frameworks:** Flask, Reactjs.
- **Version Control:** Git/Github.

Courses

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|---|---------------|
| ○ Data Structures and Algorithms from GeeksForGeeks | Present |
| ○ SQL Intermediate Certification from Solo Learn | December 2023 |

Extra Curricular

- Conducted Mental Health Awareness Program for High School Students.
- Served as a dedicated team member and participated in various levels of football tournaments.