

# Mohan Varma Bh

## Web Developer

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## SKILLS

Programming Language

python | c++ | SQL | Proficient in implementing and analyzing algorithms and data structures

Web Development

Html | CSS | JavaScript

Frameworks

Django | Flask | Nextjs

Version Control

Git/ Github

## WORK EXPERIENCE

Web Developer InternDec 2024 - Present

Bcommune , Hyderabad

- Designed and developed responsive, user-centric web pages using HTML, CSS, and JavaScript.
- Implemented backend logic and workflows using Python and the Django framework to handle platform functionalities.
- Contributed to building and scaling a dynamic, database-driven platform for Bcommune.
- Developed interactive components, including forms, dashboards, and user profile pages.
- Integrated advanced search and filter options to enhance the user experience for job seekers, employers, and freelancers.
- Added secure login and authentication features using Django Authentication.
- Integrated RESTful APIs to connect frontend and backend seamlessly for dynamic data exchange.
- Worked on fetching and displaying real-time data for user dashboards and notifications.

## EDUCATION

B.Tech (Electrical and Computer Engineering): Amrita Vishwa  
VidhyapeethamCGPA: 8.53Aug 2021 - Apr 2025

Electrical and Computer Engineering

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

## CERTIFICATIONS

Data Structures and Algorithms from GeeksForGeeksPresent

Strengthened problem-solving abilities by completing a comprehensive course on GeeksforGeeks, focusing on efficient algorithm design, code optimization, and practical implementation of data structures to tackle complex computational challenges.

## LANGUAGES

Telugu | Hindi | English

## PROJECTS

Finding Brain Tumor Location from MRI ScansPresent

Technologies: Machine Learning, HTML, CSS, React.js, Flask, AWS EC2

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

## End to End blog website

Sep 2024

Technologies: Python, Flask, HTML, CSS, AWS EC2

- Built a full-stack web application for blogging, featuring dynamic content rendering with Flask and Jinja for seamless user interaction.
- Utilized MySQL for robust backend data management and deployed the application on AWS EC2 for scalability and reliability.
- Implemented user authentication and session management to ensure secure user experiences.
- Applied version control best practices using Git and GitHub for efficient collaboration and code tracking.

## Tic-Tac-Toe

Jul 2024

Technologies: HTML, CSS, JavaScript

- Developed a fully interactive web-based Tic-Tac-Toe game with clean and visually appealing UI.
- Implemented game logic using JavaScript, supporting turn-based gameplay, win condition checks, and game reset functionality.
- Used DOM manipulation to dynamically update the game board and provide real-time feedback to users.
- Designed for responsiveness, ensuring optimal user experience across various devices.

## Solar Power Prediction

Dec 2023

Technologies: Machine Learning, Python, Pandas

- Built a machine learning model to forecast solar power generation, leveraging Random Forest, Decision Tree, and Linear Regression algorithms.
- Addressed challenges in data collection, preprocessing, and model optimization to improve accuracy.
- Successfully demonstrated that Random Forest outperformed Linear Regression and Decision Tree models in prediction accuracy.