MANOJ AMIRTHALINGAM

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About Me

A passionate Software Engineer on a mission to turn ideas into interactive and visually stunning digital experiences, developing user-friendly websites and responsive web applications. Proficient in HTML, CSS, JavaScript, React.js,Express.js,Node.js and MongoDB.Strong problem-solving skills and staying updated with the current industry trends & technologies.

Education

Jeppiaar Engineering College (Affiliated to Anna University).   **2017 - 2021**

Aeronautical Engineering-75%   Chennai,Tamil Nadu.

Sri Ramakrishna Matric Hr.Sec School.   **2016 - 2017.**

Higher Secondary School-85%   Perambalur,Tamil Nadu.

Sri Ramakrishna Matric Hr.Sec School.   **2014 - 2015.**

Secondary School Leaving Certificate-97%   Perambalur,Tamil Nadu.

Skills

- Languages: Python, Javascript.
- Stack: MERN stack.
- Front-End: HTML5 | CSS3 | JavaScript | TypeScript | React.js.
- Back-End: Node.js | Express.js.
- Library: Redux | Bootstrap | React-Bootstrap | React MUI
- Database: MongoDB | Mongoose.
- Tools: VScode | Github | Postman.
- Soft skills: Communication | Problem-Solving | Creativity.

Professional Experiences

Software Developer-TCS (Front-End Developer| NOV 2023 - Present)

- Works for an Australia-based Bank project on 7 applications.
- Assisted in the development of web applications, focusing on front-end technologies.
- Developed User Interface to International Client WESTPAC Bank with modern JavaScript frameworks, HTML5, and CSS3, which improved user satisfaction by 95%.
- Developed documentation to train new team members in company standards. Expert trainer on React.js, HTML5, and CSS3
- Enhanced website functionality using React and 32% reduction in page load time.Used Git version control to decrease code conflicts by 51% to the user interface for new product concepts.
- Assisted colleagues to troubleshoot and resolve technical issues.
- Collaborates with onshore team members and clients to complete the tasks within the deadline, resulting in 100% on-time delivery.

Academic Projects

DESIGN AND ANALYSIS OF QUADCOPTER DESIGNER & ANALYST

- I have developed the "Design and Analysis of Quadcopter" design and simulation using CATIA V5, analyzed the airflow over the aircraft, and found out the drag produced by airflow. And I also applied for a patent for my quadcopter design.

AIRCRAFT DESIGN PROJECT

- I worked on a raft design project (Remodeling LOCKHEED MARTIN F-22 RAPTOR), In this project, we have drawnthe V-n diagram for different fight phases, gust load, and critical loading performance of the aircraft. Then calculate the load distribution over the wing and fuselage and draw shear force diagram, bending moment diagram, and Schrenk's curve and analyzed the the internal structure of our aircraft, i.e., parts like longerons, spars, stringers etc. Finally selected the suitable materials for the various parts of our aircraft.

Personal Works

- Have developed more than 35+ projects using Front-End Technologies like HTML, CSS, JAVASCRIPT and REACT.JS
- Developed 3+ Full-stack projects using MERN-stack Technologies in NEXT.js
- Please visit 🔗 github | 🌐 portfolio   to checkout my works.

Extra-Curricular Activities

- Member of the Entrepreneurs Committee in my college.
- Organized "A National level Technical Symposium" at Jeppiaar Engineering College under my leadership.
- Represented the school in Zonal-level Chess and Basketball competitions.

I hereby declare that the above information contained hereby is true and correct.

Place: Tamil Nadu, India.

Yours sincerely,

Manoj.A