Raviraja

WEB APP DEVELOPER

CONTACT

- 📞 7373377170
- ✉️ ravivasanth1996@gmail.com
- 📍 Coimbatore, Tamilnadu
- 🌐 LinkedIn

EDUCATION

2014-2018

RAMCO INSTITUTE OF TECHNOLOGY

- Bachelor of Electrical and Electronics Engineering
- GPA: 7.99/ 10

SKILLS

- React JS
- Type Script, Java Script
- Babylon JS, Web XR
- REST APIs
- Web Pack
- GIT
- Python, Azure Functions
- SQL, MongoDB
- Leadership
- Critical Thinking

ACHIEVEMENTS

- Won Annual awards for **Two** consecutive times for best performance
- Won Spot Award for **6 times** and nominated for **10 times**
- Won Sprint Champion of **15+ times**

PROFILE SUMMARY

Experienced software developer with 3.4+ years specializing in web and VR application development. Proficient in **ReactJS**, **Babylon.js**, and **Python**, with a strong background in front-end and good exposure in back-end technologies. Skilled in creating engaging **Immersive experiences** and delivering robust, scalable web applications. Proven **leadership** in managing teams and driving **feature development** in collaborative environments

WORK EXPERIENCE

Brahmarsive INC   2023 - PRESENT
Senior Software Engineer

- Led the development and implementation of **15+ VR Anatomy experiences**, including the Abdomen and Upper Limb, specifically designed for medical students.
- Developed and integrated over **65%** of the required **features** for **Anatomy** and other **educational experiences**, while also leading the feature development team.
- Conceptualized and implemented a **node-based editor** using **React Flow**, streamlining the experience creation process and reducing development time from over **5 days to just 1.5 to 2 days**.
- Engineered a robust **front-end architecture** to introduce a seamless **navigation system**, enabling users to transition smoothly between experience levels with precise state management.
- Built **dynamic experience controls** including loops and conditions, allowing the engine to execute actions based on specified conditions, adding flexibility and **interactivity** to the experience.
- Optimized **asset loading** and implemented various **performance enhancements**, reducing experience load times from over **25 seconds to approximately 8 seconds.**

Nallas Corporation   2021 - 2023
Associate Software Engineer

- Implemented an **L2 cache system** using the **Cacheout** Python library in conjunction with Redis, achieving a **70% reduction** in API response time.
- Developed and integrated a **monitoring system** within the 3D scene, providing a debug layer to efficiently identify and address performance bottlenecks.
- Revamped back-end services by introducing **decorators** and **asynchronous operations**, resulting in a **30% performance improvement** while enhancing code readability and overall quality.