Akash SM

Web Developer

✉ akashsmani05@gmail.com   📞 7094750797   📍 Coimbatore   in Akash SM | Linkedin

Skills

Programming Languages	**Frameworks**	**Markup and Styling**
JavaScript, Python	Next.js, React.js, Tailwind CSS	HTML5, CSS3
Tools and Libraries	**Web Design Tools**	**CMS**
SWR, Chart.js, Supertokens	Figma, Canva	WordPress
Version Control	**Robotics and Automation**	**Operating System**
Git	ROS2, Nav2	Ubuntu (Linux)

Professional Experience

Nov 2022 – present
Coimbatore

Iovate Technologies
- Proficient in crafting responsive websites as a web developer, with a strong focus on technical implementation.
- Independently delivered well-structured, maintainable code, showcasing strong interpersonal and communication skills.
- An effective team player that actively collaborating with team members to achieve project objectives.
- Currently working as RPA engineer in the development of automation solution.

Projects

Autonomous Robot

Overview:
An autonomous robot with modern features to optimize navigation and perform some tasks in different environments.

Techstack:
ROS2(Robot Operating System), Nav2(Navigation), Python, OpenCV

Roles & Responsibilities:
- Led **NAV2** development for advanced robotic navigation, optimizing algorithms for path planning and obstacle avoidance.
- Integrated the **SLAM** algorithm for map the environment for effective navigation and used to compute the paths
- Implemented **OpenCV** for precise robot perception, developing algorithms for object detection and tracking.
- Created and optimized simulation environments, ensuring robust testing of automation solutions in realistic scenarios.

Supersafe - TrackFlow : IoT Fleet Tracking Dashboard System

Overview:
Collects data from various sensor for monitoring real-time data of vehicle and user by rendering it.

Techstack:
Nextjs/Reactjs, Tailwind CSS, npm, Supertokens.

Roles & Responsibilities:
- Engineered a static admin dashboard for fleet tracking management for client demonstration.
- Reduced **50%** of development time by integrating npm packages
- Implemented Charts for analytics using **Chart.js.**
- Developed a datatable and frontend **React hooks** to facilitate data export options.

Marketing website 2.0 (JAM stack migration)

Overview:

Technology migration of marketing website from conventional site to jam stack based website.

Techstack:

Nextjs/Reactjs, Tailwind CSS, Email.js, Clarity.

Roles & Responsibilities:
- Crafted Figma prototypes for **UI/UX design** of frontend website components, adhering to web standards and design principles.Enabled translation of prototypes into code, emphasizing visual aesthetics.
- Achieved a notable **96** in performance metrics and **91** in SEO metrics, optimizing website loading speed.
- Formulated a website featuring a design that is both responsive and intuitively user-friendly.
- Integrated and optimized **SEO** tools and hosted into cloud platform.

NanoLMS - Frontend Development

Overview:

An integrated E-commerce and LMS platform for selling physical and digital goods.

Techstack:

Nextjs/Reactjs, Tailwind CSS, SWR , Supertokens, WordPress.

Roles & Responsibilities:
- Replicated a WordPress site design using frontend frameworks.
- Created reusable **React** library components for application across multiple projects.
- Developed frontend screens for a digital products and Learning Management System, tightly integrated with server-side **REST APIs**.
- Executed a proof of concept by implementing an authentication tool (**Supertokens**) for both NanoLMS and the ecommerce platform.

Education

Aug 2017 – May 2021	**B.E Mechanical Engineering**
Sathyamangalam, India	Bannari Amman Institute Of Technology
	CGPA: 8.39

Certificates

Front-End development intern in Skill Safari, Coimbatore

Languages

- Tamil
- Engish

Soft Skills

- Adaptabilty
- Problem Solving
- Team Work