AWINDAS R

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EDUCATION

St. Josephs College of Engineering and Technology, Palai, Kerala
B. Tech in Computer Science and Engineering   *2021 - 2025*

EXPERIENCE

Associate Developer and Tech Lead   Jan 2025 -Present
Mulearn Foundation

- Led development of **mulearn.org** and the **MuLearn Platform** serving over **46,000+ users**, using **React**, **Django**, and **postgresql**.
- Defined technical roadmap and managed a team of 9+, increasing sprint throughput and achieving 2x faster feature delivery.
- Built modular frontend architecture and reusable component library, cutting new feature dev time by **30%**.
- Integrated gamified engagement systems and real-time dashboards
- Oversaw end-to-end development, code reviews, and CI/CD workflows to maintain high code quality and deployment reliability.

Web Lead and Core Team Member   2024-Present
The Nexus Project (FOSS Community)

- Developed and maintained the official **website** for the **Nexus Project** using **Next.js** and **TypeScript**, enhancing **user engagement** and optimizing **performance** with server-side rendering and static site generation.
- Designed and implemented a dedicated **event page** for **FOSS Day**, improving **user experience** through responsive **UI/UX design**, **event schedules**, and **registration** features, leveraging **Next.js API routes** and **TypeScript**. (https://nexus.sjcetpalai.ac.in/fossday)
- Implemented **SEO optimization**, **static site generation**, and **server-side rendering** to boost search visibility and improve discoverability.
- Streamlined **collaborative development** via **GitHub workflows**, improving team velocity and reducing merge conflicts.
- Actively contributed to **event logistics** and **digital outreach**, ensuring smooth execution and cross-functional coordination.

Campus Lead   2023-2024
MuLearn - SJCET, Palai

- Developed and executed strategies to communicate the value of **MuLearn's offerings**, **leading a team of 15+ members**, driving engagement and promoting growth within the college community.
- Achieved a **90% increase in the points system**, making our college the first in Kerala to reach **1 million points**, showcasing **leadership** and **strategic planning** skills.
- Conducted **workshops** and **training sessions** to upskill team members, fostering continuous learning and enhancing overall productivity.
- Collaborated with other college communities to host **inter-college events**, enhancing visibility and promoting collaboration across institutions.

Intern   Dec 2023-March 2024
Kerala Development and Innovation Strategic Council

- Spearheaded outreach to institutions not yet registered with the **Young Innovators Program (YIP)**, achieving **over 35% of total participation** for the year, demonstrating **outreach** and **engagement** skills.
- Collaborated with the YIP team to support **program operations**, **student engagement initiatives**, and **data management**, ensuring smooth execution.
- Organized **workshops** and **awareness sessions** to boost student participation, effectively communicating the program's benefits.
- Developed and executed outreach strategies using **social media** to enhance **brand visibility** and expand the program's reach.

PROJECTS

MuLearn 4.0 Dashboard | *ReactJS, TypeScript, Axios, Django, TailwindCSS*   ⎋

- Built a centralized dashboard for **46,000+ users** to track learning progress, explore structured roadmaps, and access personalized content.
- Developed the frontend using **ReactJS + TypeScript** and styled with **TailwindCSS**; integrated with a **Django REST API** via **Axios**.
- Refactored component architecture for reusability and modularity, reducing future feature dev time by **30%**.

Innovation Excellence Dashboard | *ReactJS, TailwindCSS, Supabase*   ⎋

- Developed a full-stack dashboard to streamline **submission, review, and tracking** of academic innovations like patents, projects, and papers.
- Implemented secure **role-based access control** for Students, Faculty, and Admins with Supabase Auth and protected routes.
- Integrated a faculty feedback system for structured evaluation of submissions; reduced manual review overhead by **40%**.
- Used **Redux Toolkit** for scalable and maintainable state management across authenticated views.

TipMe -A Tipping app for restaurants | *ReactJS, TailwindCSS, Supabase, ExpressJS, NodeJS*
- Developed a **user-centric app** with a **modern UI** using **ReactJS**, **TailwindCSS**, and **Supabase**, achieving **load times under 2 seconds**.
- Integrated **ExpressJS** and **NodeJS** to handle **backend processes** and **efficient data management**, completing the project in **4 days**.
- Implemented **separate dashboards and views** for 3 different user roles, enhancing user experience and functionality.

Electrical Communication Students Association - SJCET Website | *ReactJS, JQuery*   ↗
- Utilized **React** to create **dynamic and responsive user interfaces**, enhancing **user experience** and **engagement**.
- Integrated **jQuery** to streamline **DOM manipulation** and ensure **seamless functionality** across the website's interactive elements.

SKILLS

Technical Skills: HTML, CSS, JavaScript, Java, TypeScript, ReactJS, NextJS, Node.js, Express.js
Libraries and Tools: Tailwind CSS, Sass, Postman, Hoppscotch, WebGL, Figma, Blender
Databases and APIs: MongoDB, SQL, Supabase, REST
Version Control and DevOps: Git, GitHub, Docker
Interpersonal Skills: Communication, Problem-solving, Teamwork, Time Management, Adaptability