ARJUN P

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EDUCATION

Bachelor of Engineering in Information Science and Engineering   Dec 2020 - Jun 2024

RNS Institute of Technology • Bengaluru, Karnataka

WORK EXPERIENCE

FluxGen Sustainable Technologies • Bengaluru, Karnataka   Dec 2024 - Mar 2025
Data Analyst Intern

- Analyzed water flow, pressure, and temperature data across industrial sites to identify anomalies, usage patterns, and inefficiencies.

- Built Random Forest models to predict tap usage from pressure data, enhancing consumption forecasting accuracy.

- Conducted sensor reliability checks and water balance validations, achieving >90% accuracy and recommending improvements that enabled 15–25% savings in high-consumption zones.

- Delivered year-over-year analysis for a major steel plant, identifying up to 92% reductions in select units and proposing further optimizations.

PROJECTS

Crust & Co. – *React, Redux Toolkit, Thunk, Tailwind CSS, React Router*   Apr 2025

- Built a high-performance pizza ordering app using React, Redux Toolkit, and Thunk for async state management.

- Implemented dynamic routing, real-time cart sync, smooth checkout with form validation, and geolocation-based address autofill for enhanced user convenience.

- Enabled order tracking by Order ID with a fully responsive UI styled in Tailwind CSS.

- Developed a modular, maintainable codebase emphasizing reusable components and optimized rendering.

Space Horizon — *Django, Python, JavaScript, Leaflet.js, FullCalendar, NewsAPI*   Dec 2024

- Built a full-stack astronomy platform to track space events, access real-time news, and manage personalized calendars with live countdowns and notifications.

- Developed backend with Django, creating custom models for users, events, comments, notifications, and bookmarks; integrated NewsAPI and FullCalendar for dynamic updates.

- Implemented real-time notifications using periodic polling and in-app alerts for watchlisted events.

- Enabled secure user authentication, calendar syncing, news bookmarking, and mobile responsiveness for seamless cross-device use.

CERTIFICATIONS

CS50's Web Programming with Python and JavaScript (CS50W)   Dec 2024

HarvardX (edX)

SKILLS

Languages: CSS, HTML, JavaScript, Python

Frameworks/Libraries: Django, React, Redux Toolkit, Tailwind CSS

Other Tools: APIs, Git, Leaflet.js, React Query, React Router, Thunk Middleware