

RAJNIKANT

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WORK EXPERIENCE

Incture Technologies

Sept 2023 – Present

Associate Software Engineer

Bhubaneswar, India (Onsite)

- Designed a **config-driven UI architecture** for enterprise SAP MDG and S/4HANA Business Partner onboarding, enabling business teams to update field rules with **zero frontend deployments**
- Built a **runtime form-rendering engine** that constructs validation and initial state from API-driven configuration — supports nested sections, dynamic tables, and role-based conditional rules
- Implemented **SAP-standard field validation** across 50+ field types covering digit, alphanumeric, and country-specific formatting with multi-step conditional logic
- Engineered a **dependent field engine** for show/hide, enable/disable, and required-state behaviour driven by server-side AND/OR logic
- Built a **client-side caching layer** with TTL expiry, LRU eviction, and request deduplication — reducing redundant API calls by **~80%**
- Developed **45+ Redux Toolkit slices** with a shared API thunk factory, selective persistence, and opt-in per-request caching
- Built a **real-time WebSocket notification and chat system** with Redux-connected dispatch and debounced typing indicators, replacing polling entirely
- Implemented **AES-GCM 256-bit encrypted browser storage** for i18n caching with background sync and RTL/LTR support
- Improved performance via **route-based code splitting** (30+ lazy pages), virtualised lists, and memoisation; achieved **85% Jest test coverage**

Dotevolve

Jan 2023 - July 2023

Frontend Developer Intern

Remote

- Overhauled e-commerce platform front-end, boosting user engagement by **50%** and automating 75% of manual workflows
- Integrated Razorpay and Stripe gateways improving checkout conversion by **20%**; delivered mobile-first responsive UI with cross-browser compatibility

PROJECTS

AI PPT Generation

Live | Github

React | Tailwind CSS | Express.js | Hugging Face | Unsplash | PptxGenJS

- Full-stack monorepo where a user prompt drives a **Hugging Face LLM** to generate a structured slide deck; Unsplash enriches visuals and Express exports editable .pptx via PptxGenJS
- Enforces strict separation — AI emits only schema-conformant JSON; shared deck schema keeps preview and export in sync. Deployed on Render

Online Sudoku Solver

Live | Github

React.js | Vanilla CSS | Async DFS Algorithm | Vercel

- Visualises **asynchronous backtracking (DFS)** in real time with adjustable speed control and randomised puzzle generation across difficulty levels
- Dark glassmorphism UI with neon accents, staggered fade-in animations, and an integrated tutorial panel explaining backtracking logic

SKILLS AND CERTIFICATIONS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3, SQL, C/C++

Frontend: React.js, Redux Toolkit, Formik, Yup, SAP UI5, Material-UI, Tailwind CSS

Backend & Cloud: Node.js, Express.js, Firebase, MongoDB, MySQL, Docker, Vercel, Git

System Design: Config-Driven UI, In-Memory Caching, WebSocket, AES-GCM Encryption, REST APIs

Testing & Certifications: Jest, React Testing Library, Agile/Scrum | SAP UI5 Fundamentals — OpenSAP (2023)

EDUCATION

NIT Rourkela, Odisha

2020 – 2024

B.Tech, Metallurgical & Materials Engineering

CGPA: 7.74 / 10

ACHIEVEMENTS

- Hackathon Winner** — TechFest, NIT Rourkela (2023): built a full-stack web application in under 24 hours
- Dean's List** (2022–23) for academic excellence at NIT Rourkela
- Active open-source contributor with multiple production-deployed projects