

# DHURKA MANCHUKAN

## Associate Software Engineer

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### PROFESSIONAL SUMMARY

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Associate Software Engineer with 1.5 years of experience building production React.js/TypeScript web applications and Flutter mobile apps. Delivers reusable component systems, REST API integrations, and CI-deployed features with a focus on performance and maintainability. Promoted from intern to full-time within 6 months.

### TECHNICAL SKILLS

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**Languages:** JavaScript (ES6+), TypeScript, Dart, Python, HTML5, CSS3

**Frameworks:** React.js 18/19, Next.js, Flutter, Node.js/Express, Vite

**State & Data:** Redux Toolkit, Redux Persist, SWR, Axios, Provider, Firebase Realtime DB, Context API

**Auth & Payments:** Firebase Auth, JWT, bcrypt, Stripe, PostFinance, OAuth

**UI & Styling:** Tailwind CSS, Material UI, shadcn/ui, Framer Motion, GSAP, React Hook Form, Zod

**Backend & AI:** Node.js/Express, SQLite, OpenAI GPT-4o-mini, REST APIs, Nodemailer

**DevOps & Tools:** Git, GitHub, Cloudflare Pages/CDN, Hostinger, Vercel, Netlify, Vite, GitHub Actions (CI/CD), Docker, ESLint, Agile/Scrum, i18next, NPM Publishing

### WORK EXPERIENCE

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#### Associate Software Engineer — Gray Corp (Pvt) Ltd

June 2025 – Present

- Engineered 30+ reusable React.js/TypeScript UI components with strict prop typing, adopted across 4+ production features, reducing new-screen build time by ~40%.
- Translated Figma designs into pixel-perfect, WCAG 2.1 AA, mobile-first interfaces tested at 375px-4K across Chrome, Firefox, Safari.
- Managed deployments on Hostinger and Cloudflare Pages/CDN, including SSL configuration, domain routing, and environment variable management.

#### Software Engineering Intern — Gray Corp (Pvt) Ltd

Nov 2024 – May 2025

- Built reusable React component foundations adopted across production screens; delivered Figma-to-code implementations within sprint timelines.
- Integrated frontend modules with REST APIs, handling async data flows, optimistic UI updates, and error boundaries.

### KEY PROJECTS

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**Travel Booking Platform** | React 18, Vite, Redux Toolkit, SWR, Axios, Tailwind CSS, MUI, i18next, GSAP, Framer Motion, PostFinance, jsPDF

- Architecting a 6-slice Redux Toolkit state system, SWR data layer, i18next (EN/DE/FR) localization, and PostFinance payment integration for a multi-step Swiss/European flights, hotels, cruise and packages booking platform.

**Marryfy — Cross-Platform Matrimony App** | Flutter, Dart, Firebase Auth, Stripe, Provider, GoRouter, REST APIs — [marryfy.io](https://marryfy.io)

- Built a live cross-platform Flutter/Dart matrimony app (marryfy.io) on Android, and web with Firebase Authentication, Stripe webhook-based payments, and AI matchmaking via REST API.

**AgriConnect — Precision Agriculture IoT Dashboard** | *React 19, TypeScript, Tailwind CSS 4, Chart.js, Framer Motion, Vite, Canvas API* — [AgriConnect — Precision Agriculture Dashboard](#)

- Built a precision agriculture IoT dashboard with real-time sensor telemetry, interactive farm zone maps, threshold-based alerts, and Chart.js visualizations across 5 crop profiles.

**Vela Resort — Luxury Hotel Website** | *React 19, Tailwind CSS 4, Framer Motion 12, shadcn/ui, React Hook Form, Zod, Sonner* — [resort-henna.vercel.app](#)

- Built a luxury resort website with WCAG 2.1 AA accessibility, JSON-LD SEO, dynamic seasonal pricing calendar, and Lighthouse 95+ performance; deployed on Vercel.

**ClientScope — AI Proposal Generator** | *React 19, Node.js/Express, SQLite, OpenAI GPT-4o-mini, JWT, bcrypt, Nodemailer, Cloudflare Pages/CDN, shadcn/ui, Zod* — [github.com/dhurka3782/clientScope](#)

- Built a full-stack SaaS solo with React 19, Express REST API, PostgreSQL (Neon), JWT auth, and Stripe paywall; integrated OpenAI GPT-4o-mini for AI-generated proposals.

**Open Source & Personal Projects** | *JavaScript, TypeScript, React, Python, HTML/CSS* — [github.com/dhurka3782](#)

- Published react-d-calendar — an open-source NPM React calendar component ([dhurka3782.github.io/reactd-calendar-demo/](#)) demonstrating JavaScript packaging, semantic versioning, and npm registry distribution.
- Shipped AI Resume Analyzer, Café Élysée multi-page site, Secure Password Generator, and music player — all production-deployed and available at [github.com/dhurka3782](#).

## EDUCATION

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**BSc in Applied Physics & Electronics**

2024

*Eastern University, Sri Lanka — Trincomalee Campus*