

Lokesh Ram Chand B

GitHub – LinkedIn – Portfolio

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Education

- **KL University**

Bachelor of Computer Science and Engineering (Hons.); CGPA: 9.45/10

Hyderabad, India

June 2023 – May 2027

Experience

- **SPL Systems** | [Link](#)

Frontend Developer & UI Engineer

Hyderabad, India

Oct 2025 – Dec 2025

- **Modern Web Experience:** Designed a fully responsive consultancy platform using **React**, **TypeScript**, & **Next.js**, ensuring pixel-perfect layouts and consistent UI across devices.
- **Immersive Motion Design:** Developed scroll-based animations using **GSAP**, **ScrollTrigger**, and **Framer Motion**, resulting in a smoother visual hierarchy and increased session duration by **28%**.
- **Component Architecture:** Built a scalable component library with modular architecture; reduced UI development time for new pages by **40%**.
- **Performance Optimization:** Improved Core Web Vitals by implementing route-level code splitting, dynamic imports, image compression, and prefetching strategies.
- **SEO & Accessibility:** Integrated meta-tag optimization, ARIA roles, semantic HTML, and Open Graph previews, improving Lighthouse Accessibility score from **72** → **96**.

- **Water Watchers (Volunteer)** | [Link](#)

Web Developer & Designer

Remote (Canada)

Jul 2025 – Sept 2025

- **Website Redesign:** Led the redesign of the NGO's key donation funnel; improved cross-device usability and cut page load time by **45%**.
- **Content Engagement:** Added interactive storytelling sections, improving scroll-depth and user retention by **33%**.
- **CMS Optimization:** Streamlined NationBuilder templates, removed unused scripts, and optimized image delivery pipelines, boosting overall performance.
- **Brand Alignment:** Crafted a modern visual identity using consistent typography, color language, and responsive component patterns.
- **Collaboration:** Coordinated with the Canadian volunteer team across time zones, delivering iterative updates following Agile sprints.

Projects

- **Velar** | *Flutter, Node.js, Docker* | [Source Code](#)

- Developed a cross-platform finance tracker with an advanced regex-based parser to auto-extract and classify expenses from bank emails with high accuracy.
- Implemented personalized insights including monthly spending charts, savings projections, and spending-habit breakdowns.
- Containerized backend with **Docker** and added GitHub CI/CD workflows, reducing deployment effort by **70%**.

- **Seko** | *Flutter, Django, PostgreSQL* | [Source Code](#)

- Developed a scalable e-commerce app with real-time cart sync via **WebSockets**, multi-vendor support, and live inventory updates.
- Optimized PostgreSQL queries through indexing, caching, and connection pooling, reducing API latency by **80%**.

- **MapLayer** | *React, GeoJSON* | [Source Code](#)

- Created a browser-based geospatial visualization system capable of handling datasets up to **200MB** using tiling, lazy loading, and on-demand clustering.
- Implemented interactive map layers for environmental zones, road networks, and demographic overlays with zoom-level based rendering.
- Added drawing tools, region selection, and layer toggles to enable analytical comparisons for planners and researchers.

Technical Skills

Languages: Dart, TypeScript, JavaScript, C++, Python, SQL

Frameworks: Flutter, React, Next.js, Node.js, Express.js, Django

Tools & Cloud: Docker, Firebase, PostgreSQL, MongoDB, Git, GSAP, RabbitMQ

Achievements

- **NASA Space Apps Hackathon:** Developed an interactive educational quiz application to gamify space science concepts.
- **Google Solution Challenge:** Engineered a supply chain solution aimed at eliminating agricultural intermediaries to maximize farmer revenue.
- **COSC Hackathon:** Collaborated on a team to build **Custom Learning Roadmaps** using React and Django within a 24-hour deadline.