Bhavya Gosai

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SKILLS SUMMARY

- **Languages**: JavaScript, Typescript, Python, C++, Node.js, JAVA, SQL, Bash, HTML, CSS, Go
- **Frameworks/Libraries**: Next.js, React.js, Vue.js, Redux, React Native, TailwindCSS, SCSS, Express.js
- **Others**: Docker, Git, GraphQL, PostgreSQL, MongoDB, Linux, AWS, GCP

EXPERIENCE

- **Bytebeam** — Remote - Bengaluru, India
  SDE I (Internship + Full-time) — *Oct 2022 - Jan 2025*
  - **Led Major Platform Overhaul**: Re-architected UI / UX for core platform pages handling **50M+ rows of live IoT data,** dramatically improving performance, navigation and reliability.
  - **Scalable Data Visualization**: Implemented **incremental loading and virtualized rendering** across dashboards and dropdowns, **reducing initial load time by 70%** and ensuring fault isolation per panel. Built and optimized **real-time dashboards** (fleet & device views) with **resizable charts,** bar graphs, geofencing, session panels, and device control interfaces for thousands of unique dashboards.
  - **Platform-Wide RBAC**: Implemented a comprehensive, platform-wide Role-Based Access Control (RBAC) system, enabling granular, **hierarchical permissions** (e.g., View, Edit, Create, Delete) for all major components including dashboards, alerts, device management and actions.
  - **Ownership**: Owned the end-to-end development of critical platform sections from the ground up. This includes the **Live OTA Actions module with Phased Rollouts** for controlled firmware updates, a comprehensive **Alerts Dashboard with live log visualization** and alert trigger notifications via SMS, Email and WhatsApp, driving **increased user responsiveness,** and a **DBC Parser Management interface.**
  - **Proprietary UI Library & Advanced Components**: Spearheaded creation of a proprietary UI library successfully migrating the platform from third-party dependencies to achieve greater customization and control; shipped components **from-scratch** like **virtualized nested multiselect dropdowns,** collapsible accordions, nav-tabs, etc. ensuring design consistency and faster dev velocity.
  - **Optimized Data Interaction & UX**: Engineered performant **server-side filtering,** sorting, and **paginated search** across massive datasets. Overhauled the application's routing logic. Built **partial search functionality** into device filters and dashboards with support for **chained and multi-value filters.** Enabled seamless multi-project access in-browser with persistent session support
  - **System Analytics & Meta-Monitoring**: Built **self-referential monitoring dashboards** to analyze platform health (pod crashes, memory issues) using the platform itself, **aiding DevOps workflows.**

- **Lost Ferry Interactive** — Remote - Mumbai, India
  Frontend Engineer (Contract) — *Jan 2022 - Oct 2022*
  - **Overtook various client projects and collaboratively delivered them end to end**:
  - **Flameback Capital**: Developed a customized algorithm-based investment portfolio platform. **(Team member)**
  - **CHZ Cycling**: Developed an e-commerce storefront of CHZ Cycling.
  - **Satma CE**: Developed a SaaS-based operational traceability platform tailored for the circular economy and waste management sector. **(Team member)**

OSS CONTRIBUTIONS

- **OnlyDust**: Actively contributed to numerous open source projects through hackathons. See: Profile

- **Starknet React**: A library providing collection of React hooks for building Starknet dApps, inspired by wagmi & powered by starknet.js. Helped in parallel wallet polling, improving performance and reliability of wallet connection handling. See: PRs

- **Walnut**: Walnut helps debug and simulate Starknet transactions via error monitoring and gas profiling. Contributed to their oss tools like **SuperScan** (transaction explorer tailored for the OP Stack. See: PRs) and **Starkflare** (resource usage monitor of rollups in the starrket ecosystem. See: PRs) by developing UI pages from scratch.

- **Other contributions**: Kararot   Dojo Joyboy Starknet-Quest Starknet-Scaffold AFK

PROJECTS

- **Pasteez - Create and Share beautiful code snippets with ease (Web Development)**: A Web app for secure code snippet sharing with automatic syntax highlighting, AES256 encryption, and Base64 encoding. Implemented a feature for exporting code snippets as images with aesthetic backgrounds, complemented by smooth routing animations using Framer-Motion. **Tech: React.js, FramerMotion, MongoDb, Express.js** (November '21)

- **BrightUp Electrical - Client Website**: Marketing landing page for a professional residential and commercial electrical solutions company **Tech: Next.js** (October '23)

- **CinemaCrate - Movie Database (Web Development)**: Integrated TMDB API to build a comprehensive movie and TV show database, showcasing proficiency in API integration with a clean and user-friendly interface from scratch. **Tech: HTML, CSS, Javascript** (November '20)

EDUCATION

- **Charotar University of Science and Technology** — Anand, Gujarat, India
  Bachelor of Technology - Computer Engineering; CGPA: 9.6 — *July 2019 - June 2023*
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Cloud, Networking, Databases*