Shivam Samant

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Work Experience

Software Developer Intern - ColoredCow　　　　　　　　　　　September 2021 - March 2024

SankalpTaru: *Nature-centric enthusiasts, planting trees for the people, by the people!* ↗

- Implemented a seamless **tree planting process** via **Rest APIs** for **Bank of Baroda** and **Phillips**, orchestrating the successful planting of **50k+ trees**.
- Upgraded email system with template editor integration and personalized placeholders, leading to an **30% increase** in **user engagement**.
- Refactored the database tables, yielding a **4% enhancement in system performance**.

Lopez Design: *Multidisciplinary design studio and brand consultant* ↗

- Conducted a **Performance Audit**, presenting strategies for an estimated **75%** reduction in **page size** (28 MB to 7 MB) and an anticipated **55%** faster **page load time** (9 seconds to 3-4 seconds).

BeCause: *An ecosystem containing various modules to become the home for citizen's social contribution milestones.* ↗

- Setup the **production environment** on **AWS** for a **3-tier application**.
- Configured **Docker** and **Nginx** in the production environment, enhancing system scalability and achieving a **60% reduction** in **deployment time**.
- Pioneered the implementation of a customizable **white-labeling settings** feature for organizational branding, resulting in a **15% improvement in brand consistency** across user interactions.

Projects

SPASHT: *Smart Parking Automated System for Hassle-Free Tracking.* ↗

- It generates **Base64 encoded QR codes** for reserved parking slots, each valid for **10 minutes**, urging users to check in promptly and **reducing check-in time by 40%**.
- Developed a feature enabling **real-time capture of parked car images** for safety checks and navigation, resulting in a **30% boost in trust**.

Central Maintenance System ↗

- Digitized the college's central maintenance system, leading to a **40% improvement** in **complaint management, resource tracking,** and overall efficiency.
- Implemented **Role-Based Access Control** (RBAC), **Gate**, and **Policies** for robust authentication and authorization, ensuring secure access to data.
- Integrated automated notifications, **reducing response time by 55%** for resource updates and complaint resolutions, enhancing communication efficiency.

Technical Skills

Languages: JavaScript, Typescript, Node JS, PHP, C++, SQL, HTML

Library/Frameworks: React, Redux, Express, Laravel, jQuery, Tailwind, Bootstrap, MUI, CSS

Databases: MySQL, PostgreSQL, MongoDB

Familiar with: Python, Flask, Next JS, Inertia JS, React Native, Nats (Message Broker), WordPress, Docker, AWS, Nginx, GitHub Actions

Tools: Git, GitHub, Postman, VS Code

Education

Uttarakhand Technical University　　　　　　　　　　　September 2020 – June 2024
Bachelor of Technology in Computer Science and Engineering　　　　　　　　*CGPA 7.96*

Achievements

- Led team to win National Hackathon, Hackmol-5.0, at NIT Jalandhar. ↗
- Secured the first runner-up position at Uhackathon4.0, a prestigious national-level hackathon competition. ↗
- Led my team to victory in the Smart India Hackathon idea presentation hosted at my college. ↗