HARSH TANK

📞 438-921-9573 ✉ harshptank2212@gmail.com in linkedin/harsh ⭘ github/harsh 🌐 portfolio.app/harsh

Education

Concordia University   **September 2023 – April 2025**
Master's in Computer Science   *Montreal, Canada*

LDRP Institute of Technology and Research   **August 2018 – May 2022**
Bachelor's in Computer Engineering   *Gandhinagar, India*

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, C++, SQL
Frameworks: React, Node.js, GraphQL, Next.js, Redux, TailwindCSS, Django
Tools and Databases: PostgreSQL, MongoDB, Git, Docker, Kubernetes, AWS lambda, DynamoDB

Experience

Shipd   **April 2024 – Present**
Software Engineer   *Remote, Canada*
- Created responsive UI pages using **React** and **TypeScript**, implemented lazy loading to save **300 ms** on initial rendering time and reduced JavaScript bundle size by **25%** resulting in faster user experience.
- Built optimized **C++** and **Python** algorithms with memoization, resulting in reducing computational latency by **20%** for LLM-based generative developer tools.
- Designed a **PostgreSQL** database schema that enables data-driven analysis and created an interactive dashboard using **Redux** to provide real-time data retrieval.

TatvaSoft   **July 2022 – July 2023**
Software Engineer   *Ahmedabad, India*
- Integrated 3rd party **payment gateway APIs** like **Shopify**, **Stripe**, **Lightspeed**, **Clover**, and **Square**.
- Optimized resource-intensive code and join queries through **Sequelize ORM** reducing API response time by **30%**.
- Automated Firebase push notifications for **3000** users, delivering **10,000** messages daily, implemented using webhooks.
- Reduced **50%** of build time by automating app development and testing stages using **CI/CD** pipeline with **Docker**.

TatvaSoft   **January 2022 – June 2022**
Software Engineer Intern   *Ahmedabad, India*
- Build Node.js **cronjob** to automate database backups and subscription reminders, slashing manual efforts by **66%**.
- Enhanced data security on **Google Cloud Platform** by updating bucket access rights with precise IAM policies.
- Collaborated with team members using **Git** and **Bitbucket**, to facilitate code organization and task delegation.
- Improved developer experience by visually documenting **RESTful APIs** with **SwaggerUI**

Projects

Anonymous Social Media App | *Next.js, React, Shadcn, MongoBD* **(Github Link)**   **May 2024**
- Build a **full-stack Next.js** messaging application enabling users to receive questions from anonymous senders.
- Implemented **Next-Auth** using **Github, Google** and Credential as Providers and used **resend** for verification emails.
- Integrated **OpenAI's API** for generating AI-based suggestions on queries and previous responses.

HelperLand | *Node.js, Express.js, PostgreSQL, TypeScript* **(Github Link)**   **January 2022**
- Developed a household cleaning service web app, to map service providers to customers using area postal code.
- Implemented email notification service using **Nodemailer** and added Two-factor using **OTP** for OAuth Registeration.
- Utilized **SonarQube** to eliminate CodeSmells, resulting in a reduction of **4%** of redundant source lines of code.

Leadership / Achievements

- **ICPC (International Collegiate Programming Contest) Regionalist** 2020-21. **(Certificate)**
- **Specialist** at Codeforces with max rating **1500**. Ranking in the **top 7%** of participants. **(Profile Link)**
- Led the team in the **Student Startup and Innovation Policy** Hackathon.
- Secured a **Global Rank of 1478** out of **32000+** participants in Codeforces Round 929.
- Particpated in **Morgan Stanley's** Code to Give hackathon and created a Web App for NGO assisting women.