

KARUNA KESHARI

karunakeshary884@gmail.com | +91-8874641043 | <https://www.linkedin.com/in/karunakeshary/>

Work Experience

Software Engineer, HSBC, Hyderabad

Aug'23 - Present

DataVisa

- Contributed to HSBC's cloud India team on DataVisa, a global platform revolutionizing data approvals and privacy compliance.
- Automated** the Privacy Impact Assessment using **40 metrics**, eliminating the need for manual review and reducing approval time by **23%**
- Designed and implemented a **"Validate Your Entry"** button for all forms, improving user experience and reducing form completion time by **30%** using **React, TypeScript, and JavaScript**.
- Resolved **20+ production bugs** as part of the Prod Issues pod, ensuring system stability.
- Utilized **SonarQube** for code quality analysis and successfully eliminated all code vulnerabilities.

ROP (Records of Processing)

- Worked on ROP application that maintains a comprehensive record of data processing activities, ensuring regulatory compliance.
- Implemented an edit functionality for Data Processor, enabling seamless updates for **40+** fields, including **data ownership, purpose, sharing, and storage details**.
- Enhanced user experience** by implementing a **tabbed form view** and added **pagination** for better navigation and convenience.

Technical Content Writer, GeeksforGeeks

Oct'22-Mar'24

- Authored well-researched **technical articles** on topics like **Git, software testing, and development best practices**.
- Simplified complex technical concepts for a **diverse audience**, enhancing learning experiences.
- Ensured content accuracy through **thorough research and hands-on implementation**.

Skills

Web Development : React, JavaScript, Typescript, Redux, React Router, Tailwind CSS, HTML, CSS, SCSS, REST APIs, Unit Testing,

Integration Testing

Languages : C, C++, Core Java

Android Development Basics : XML, Kotlin

Core Subjects : **Data Structures, Algorithms**, Operating System, Computer Network, Database Management System, Object-Oriented

Programming, System Design Basics

Database Management : MySQL

Developer Tools and Technologies : VS Code, Git, GitHub, Gitlab, Android Studio, Figma

Personal Projects

Real-time chat application

Nov'24-Jan'25

- Developed a real-time chat application using **React, WebSockets, and Socket.io** for seamless two-way communication, ensuring efficient message delivery.
- Implemented **authentication via email and phone number**, enhancing **security** and user verification.
- Designed an intuitive UI using **Tailwind CSS** and **DaisyUI** for a modern, **responsive**, and visually appealing experience.

Volume Booster Chrome extension

July'24-Oct'24

- Developed a **chrome extension** that amplifies audio output by up to **600%** using the **Web Audio API and GainNode**.
- Implemented real-time volume control for audio and video elements on web page.
- Designed an **intuitive popup UI** with a slider for dynamic volume adjustment.
- Ensured smooth performance while preventing distortion with **optimized audio processing**.

Education

Institute of Engineering and Rural Technology, Prayagraj

2019 - 2023

- Computer Science & Engineering | CGPA: **8.68/10**

Achievements

- Secured all India rank of 9884 in Graduate Aptitude Test in Engineering(GATE) 2022
- Solved **475+** problems on leetcode with **80% of submission rate**

Profile Links

- Leetcode - <https://leetcode.com/u/karunakeshary/>
- Github - <https://github.com/karunakeshary>