

Harsh Mali

harshmali984@gmail.com | +91 8120270109 | [Geeksforgeeks](#) | [Portfolio](#)

WORK EXPERIENCE

Khaves Technologies Infosoft .

07/2023– Present

Software Engineer – 1

- Developed a Database using **SequelizeJS** to Conduct Secure voting efficiently lesser down the time consumption process of voter verification along with an intuitive and performant UI for smooth user experience and Interaction.
- Used **AWS S3 bucket** to securely store data of all users, ensuring easy access and efficient management.
- Enhanced the process of conducting elections more secure **upto 80%** by making a **3 layer** vote and voter verification architecture.
- Enhanced monitoring by integrating **Scrutinizer** system, increasing user engagement by **40%** through **real-time** analytics.
- Creating detailed class diagrams and designs to align project development with client requirements.
- Enhanced the process of data retrieving by **50%** through **Loadbalancing and distributed network along with cloud storage services**.

Software Engineer Trainee

- Developed a **CSV Image Compression & URL Generation System** to optimize image storage and retrieval preserving quality.
- Integrated **Sequelize.js for database management**, ensuring efficient metadata storage and retrieval faster with **API** endpoints.
- Implemented image **compression (up to 50%) using Sharp**, reducing storage costs and improving load times making efficient.

PROJECTS

MedStream(KTI-2024) | [Github](#)

- Developed a web-based application for Hospital management, utilizing **Role based access, appointments**, and other activities.
- Designed user authentication with **JSON Web Tokens (JWT)** to ensure secure user data leveraging power of postgresql.
- Built an **intuitive appointment scheduling system** to optimize doctor-patient interactions and reduce wait times.
- **Designed a comprehensive patient records management system** for efficient data storage and retrieval.
- Technology: **Node.js, JavaScript, AWS S3 bucket, ReactJs,PostgreSql**.

Ballot-Now | [Github](#)

- Developed a dynamic web application that serves as a **online Election conductor**, enabling users & admins to **explore, Voterdashboard,ScrutinizerDashboard and CreateElectionDashboard** .
- Implemented features which include, **Authentication, real-time monitoring, secure Voting**, and a **separate panel for creating Elections** and also used React charts for better use engagements.
- **Designed an interactive questionnaire for voters** before casting their vote to ensure better understanding and general awareness.
- **Created a dedicated panel for election creation and management**, simplifying the setup process.
- Technology: **JavaScript, Node.js, Express.js, PostgresSql, Restful APIs, TailwindCss,Postman,Figma**.

SKILLS

- **Programming languages:** Core Java, JavaScript, Node.js, React.js, MongoDB,MySQL, PostgreSQL,SequelizeJs.
- **Technical Subjects:** Object-Oriented programming (OOPS), Database Management System

EDUCATION

Bachelor of Technology

2020 - 2024

Truba Institute of Engineering & Information Technology, Computer Science Engineering – 8.03 CGPA

AISSCE

2019 - 2020

Christ Memorial School, PCM– 84.8%

SSC

2017 - 2018

Christ Memorial School, Percentage – 78.6%.

Achievements and Certifications

- Solved **300+ DSA** Problems across various platforms like GeeksforGeeks,Leetcode.
- **Top Performer** of Chess in Inter college chess competition.
- Successfully completed JP Morgan Chase training program of software engineer job simulation.