# Sharad Kushwah

Portfolio  Sharad.tech
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## EDUCATION

- **Madhav Institute Of Technology And Science**  Gwalior, Madhya Pradesh, India
  *Bachelor of Technology - Electrical Engineering; CGPA: 8.34*  2019 - 2023

## SKILLS SUMMARY

- **Languages**  C++, Java, JavaScript (ES5/ES6), Typescript
- **Frontend**  React, AngularJS, Angular, Redux, Jotai, Material, Bootstrap, Tailwind, Chakra, HTML5, CSS3
- **Backend**  ExpressJS/NodeJS, SpringBoot
- **Database**  MongoDB, SQLite, MySQL
- **Tools**  Postman, VS Code, Git, Sublime-text, IntelliJ Idea, Eclipse, Jira

## EXPERIENCE

- **Kloudspot**  On-site
  *Software Engineer (Full-time)*  Jun 2023 - Present
  - Working as a UI Engineer for the NMS team, I reorganised and refactored 170+ files to increase modularity and optimisation, that reduced the amount of code by 2000+ lines and an improvement in file loading times.
  - Developed a D3-based system that enables users to construct Dynamic Sankey Graphs. The system consists of three types of nodes with an infinite number of associations that can be updated and tailored to the user's specifications.
  - Merged then transformed two Java servers to create one Express Server utilising SQL and Sequelize for database interaction and Node-cron to provide cron jobs. Further assisted with the application's containerisation using Docker.
  - Working on two ongoing projects as a UI architect, Kloud Controller and Drone Controller. In addition, designing user interfaces for several impending product upgrades and resolving production bugs.
  - Created a script for production builds that uses gulp plugins to uglify javascript files and minify html and CSS files, and another script that logs syntactical errors and prettifies the code using prettier-eslint for developer usage.
  - Setting up testing environment and creating unit tests using Jasmine, Karma and Angular-mocks.

- **Disecto Technologies**  Remote
  *Frontend Engineer Intern (Certificate)*  Nov 2022 - Feb 2023
  - Undertaken INCOG Data Classification project and Served as the UI architect and successfully collaborated with a 6-member cross-functional team.
  - Migrated INCOG Data Classification project from ReactJS v18 to Next.JS v13 utilizing SSR and NextApi to enhance security, used Redux for state management and D3 frameworks such as Nivo for Data visualisation.
  - In accordance with the wireframes, leveraging ChakraUI and typescript with NextJS, developed the frontend of data privacy management suite "INCOG-DC" that can connect, visualise, and scan over 5+ different types of databases and provide a report presenting information on PII files.
  - Created a PDF creation and download system to provide clients with easy-to-read tangible document that conveys visually appealing data insights.
  - Refactored, restructured and fixed production bugs of PII-Catcher project to boost scalability and flexibility.

- **BITCS**  Remote
  *Software Development Intern (Certificate)*  Mar 2022 - Aug 2022
  - Built 5+ full stack mock projects, As part of the training curriculum.
  - Developed and tested new product features, and worked on various projects to fix flaws and errors in components and production builds.
  - Responsible for assisting developers in their respective projects and adding webpages to the company's website.

- **Chegg Inc.**  Remote
  *Subject Matter Expert (Freelance)*  Nov 2021 - Mar 2022
  - Solved programming questions related to data structures, algorithms, object-oriented programming and Javascript.
  - 100+ answers with over 80% quality measure score.

## PERSONAL PROJECTS

- **Portfolio -** [ **Deployment   Repository** ] **:** Sharad.tech is a portfolio website that uses Sanity.io, a content management system, for data storage, and Next.js serverless API for its functionality. The project also utilizes Framer-motion to create engaging animations and the Tailwind framework for CSS.

## ACCOMPLISHMENTS

- Secured Rank 1 in Coding Competition (CODERZEST) organised by MITS ACM Student Chapter.  Jan, 2022
- 3 star codechef - Highest Rating 1730

## EXTRAS

- **High School Mathematics Faculty**  Gwalior, India
  *As a High School Mathematics Faculty taught and mentored over 200 students.*  Jan 2020 - March 2022