

ASWANI K A

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SKILLS

Frontend: HTML5, CSS3, JavaScript (ES6+), React.js, Next.js, Tailwind CSS

Backend: Node.js, Express.js

Database: MongoDB, MySQL, PostgreSQL

Languages: JavaScript, SQL

Tools: Git, GitHub, Postman, VS Code, Cloudinary, Mailtrap, Docker, Kubernetes

EXPERIENCE

Assistant System Engineer

May 2021 – May 2024

Tata Consultancy Services (TCS)

Key Contributions:

- Worked as an IoT Analyst contributing to navigation and location-based technology solutions.
- Supported development of GIS-based platforms for real-time map visualization and geospatial data processing.
- Handled location data integration, validation, and performance optimization.
- Gained experience in debugging, data handling, and system monitoring within production environments.
- Agile collaboration & client delivery workflows and adaptability across multiple technology stacks

PROJECTS

Real-Time Chat Application

- Built a real-time chat platform using MERN stack + Socket.io
- Accomplished faster message delivery by integrating Socket.io, which led to a smoother real-time experience for concurrent users.
- Added private chat, group chat, and chatbot integration and enhanced collaboration by implementing role-based access controls.
- Safeguarded data privacy by encrypting user details in MongoDB, which cut unauthorized access attempts significantly and improved message delivery latency.
- **Tech:** React, Node.js, MongoDB, Socket.io

Job Portal Platform (Skillio)

- Developed a full-stack job portal connecting recruiters & job seekers and implemented role-based dashboards & job application system
- Implemented secure authentication and protected routes using JWT.
- Optimized job search and filtering reducing search time and improving user experience.
- Integrated Cloudinary for image uploads & email verification
- **Tech:** Next.js, MongoDB, Tailwind CSS

EDUCATION

SASTRA Deemed to be University, Chennai

2021 – 2023

Master's in Computer Applications (MCA)

CGPA: 8.88

Vimala College, Thrissur, Kerala

2018 – 2021

Bachelor of Science in Computer Science

CGPA: 5.23