

# ASWANI K A

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## SKILLS

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**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

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**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

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**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

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**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**