ASWIN KRISHNA
Full Stack Developer

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PROFILE SUMMARY

A self-taught MERN stack developer with a strong passion for coding and exploring new technologies. I aim to be a valuable team player in an innovative AI-focused and forward-thinking organization that is dedicated to building cutting-edge solutions for the next generation. Committed to lifelong learning and embracing new challenges, seeking continuous growth and improvement.

TECHNICAL SKILLS

- **Frontend Technologies:** HTML, CSS, JavaScript, React.js, Redux, React-Router-Dom, Tailwind CSS, Bootstrap
- **Backend Technologies:** Node.js, Express.js, REST APIs, Socket.io
- **Database:** MongoDB, Mongoose
- **Cloud & Hosting:** AWS EC2, Firebase, Nginx, Cloudflare, Zoho Catalyst, Vercel, Render
- **Tools & Platforms:** Git (Version Control), Postman (API Testing & Development)
- **Concepts:** MVC Architecture, Authentication & Authorization
- **IDEs:** Visual Studio Code, Eclipse

PROJECTS

TECHTRIBE – Mentorship & Communication Platform   Live | GitHub | Demo

" I developed **TECHTRIBE**, an online mentorship and communication platform, as a meaningful **solution** to a challenge I faced early in my IT career. Like many beginners, I struggled with questions such as '**Where do I start?**' and '**Which path is right for me?**'. TECHTRIBE aims to help aspiring techies to navigate their journey with clarity and confidence. "

Tech-Stack: React.js, Node.js, Express, MongoDB, Razorpay, AWS EC2, AWS SES, Nginx, PM2, Cloudflare, Socket.io

- **Infrastructure & Security**: Hosted on **AWS EC2**, optimized with **Nginx** & **PM2**, and secured with **Cloudflare**.
- **User Authentication**: Secure login/signup with **JWT** authentication.
- **Real-time Chat**: Implemented using **Socket.io** for seamless messaging.
- **Payment Integration**: Integrated **Razorpay** for secure online transactions.
- **Email Notifications**: Automated user notifications via **AWS SES**.
- **Modular Design:** Applied **Single Responsibility Principle** for clean, maintainable & scalable code structure
- **Responsive UI**: Fully optimized for all devices using **Tailwind CSS**.
- **Shimmer UI**: Enhanced UX with skeleton loaders for a smooth experience.
- **Scalability & Performance**: Optimized with **Nginx**, **PM2**, and **Cloudflare** for high availability.
- **State Management**: Used **Redux** for efficient global state management in the frontend.
- **RESTful APIs**: Developed efficient and secure backend APIs using **Express**.
- **API Testing**: Used **Postman** to test and validate RESTful APIs for performance, security, and reliability.

EDUCATION

Bachelor of Commerce   2021 - 2024
Jain University, Bangalore
CGPA: 8.4

Plus Two (Computer Science)
S.K.H.S.S, Palakkad
CGPA: 7.5

CERTIFICATIONS & BADGES

Introduction to Generative AI	Badge
Postman API Fundamentals Student Expert	Badge
Namaste Javascript	Certificate
MongoDB Developer's Toolkit	Certificate