

# JOHN WESLEY L

Full Stack Developer

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## SUMMARY

Full Stack Developer with expertise in React, Node.js, and AI/ML technologies. Proven experience in building scalable web applications, real-time systems, and innovative AI solutions. Strong foundation in modern web development with successful project delivery across e-commerce, communication platforms, and automation systems.

## TECHNICAL SKILLS

**Frontend:** React.js, JavaScript, HTML5, CSS3, Tailwind CSS, Shadcn UI, Framer Motion

**Backend:** Node.js, Express.js, FastAPI, RESTful APIs, Socket.io, WebRTC

**Database:** MongoDB, PostgreSQL, Firebase, Supabase

**Tools & Technologies:** Git, GitHub, JWT, Docker, Vercel, Render, Figma

**Programming Languages:** JavaScript, Python, TypeScript, SQL

## EDUCATION

**St. Joseph's Institute of Technology**

*Bachelor of Technology in Artificial Intelligence and Data Science*

- CGPA: 8.45/10.0

Chennai, India

July 2022 – Present

## EXPERIENCE

**Frontend Developer Intern**

June 2025 – August 2025

*Docfacet*

Chennai, India

- Developed responsive B2B dashboard solutions using React and Tailwind CSS for enterprise clients
- Implemented advanced UI components with Framer Motion, improving user engagement by 30%
- Transformed Figma prototypes into pixel-perfect, production-ready interfaces
- Collaborated with backend teams to integrate RESTful APIs and optimize data fetching

## PROJECTS

**AI Text to Video Generator** | *React, FastAPI, Python, Diffusion Models*

Recent

- Created AI application converting text prompts to videos using advanced diffusion models and neural networks
- Built FastAPI backend API handling video generation with optimized processing pipeline
- Developed React frontend with intuitive interface for prompt input and social sharing
- Deployed scalable infrastructure on Hugging Face Spaces handling concurrent requests
- [Live Demo](#) | [GitHub](#)

**Cerebro AI - Brain Tumor Detection** | *React, FastAPI, TensorFlow, Supabase*

Recent

- Developed full-stack medical imaging application with AI-powered brain tumor classification from MRI scans
- Built RESTful API using FastAPI for image uploads and ML predictions with 90%+ accuracy
- Integrated TensorFlow MobileNetV2 for real-time classification with confidence scoring
- Implemented role-based authentication for patients and doctors using JWT and Supabase
- [Live Demo](#) | [GitHub](#)

**AI-Powered Voice Calling Agent** | *React, Express, MongoDB, Gemini API*

April 2025

- Developed intelligent voice-based communication system with natural language processing capabilities
- Integrated Google Gemini API for conversational AI and context-aware responses
- Built full-stack architecture with Express backend and React frontend for seamless user experience
- Implemented MongoDB database for conversation history and user data management
- [Live Demo](#) | [GitHub](#)

#### **Real-Time Chat Application** | *React, Express, MongoDB, Socket.io*

March 2025

- Developed real-time messaging platform with WebSocket-based instant communication and authentication
- Implemented Socket.io for bidirectional event-based communication enabling live message updates
- Built secure authentication with JWT tokens and bcrypt password hashing
- Designed responsive interface with typing indicators, timestamps, and user presence status
- [Live Demo](#) | [GitHub](#)

#### **Video Conferencing Application** | *React, JavaScript, WebRTC, Firebase*

January 2025

- Built peer-to-peer video conferencing platform using WebRTC for real-time audio/video communication
- Implemented Firebase for user authentication, real-time database, and signaling server
- Developed responsive React interface with controls for camera, microphone, and screen sharing
- Optimized connection quality with adaptive bitrate and network condition handling
- [Live Demo](#) | [GitHub](#)

## **ACHIEVEMENTS**

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#### **Symposium Website Developer** | *AI & Data Science and English Department*

September 2025

- Designed and developed interactive symposium websites for two departments using Next.js, Tailwind CSS, and Framer Motion
- Focused on modern UI design, smooth animations, and responsive layouts to enhance event presentation
- [Live Demo](#)

#### **Hackathon Organizer (Innothon '24)** | *St. Joseph's Institute of Technology*

November 2024

- Served as one of the core organizers for Innothon '24 conducted by my college
- Collaborated with technical teams to ensure smooth execution of coding and evaluation rounds

#### **Pitchathon Finalist** | *Vellore Institute of Technology*

October 2024

- Selected as finalist among 300+ participants in a competitive 30-hour hackathon
- Developed full-stack e-commerce application integrating machine learning model with the website

#### **Innothon 2024 Finalist** | *KCG College of Technology*

September 2024

- Selected as finalist among 200+ participants in a competitive 30-hour hackathon
- Collaborated with cross-functional team to deliver end-to-end AI solution within tight deadline constraints

## **CERTIFICATIONS**

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**IBM Full Stack Software Developer Professional Certificate**, [Coursera](#) (June 2025)

**Google UI/UX Design Certification**, [Coursera](#) (June 2025)

**Frontend for Java Full Stack Development**, [Coursera](#) (June 2025)