

# Clifford Chowalloore

## Full Stack Engineer — AI Engineering

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### Technical Expertise

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- **Frontend:** JavaScript (ES6+), TypeScript, React.js, Next.js, HTML5, CSS3, Bootstrap, Tailwind, React Native, Flutter
- **Backend:** Node.js, Express.js, Python, REST APIs, WebRTC.
- **Databases:** MongoDB, MySQL, PostgreSQL
- **AI/ML:** Claude AI Integration, NLP, T5-Transformer, Sentiment Analysis, Speech Recognition
- **Tools & DevOps:** Git, GitHub, Figma, Docker, Linode, Render, AWS, CI/CD
- **Performance:** Core Web Vitals, SEO Optimization, LCP Improvement

### Professional Experience

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**Markets Mojo, Mumbai** - Full Stack Developer *Oct 2024 – Present*

- Leading migration from Angular to **Next.js**, achieving **40% faster page loads** and improving **SEO scores from 30 to 65-70+** on Core Web Vitals
- **AI Engineering:** Developing infrastructure and products using **Claude AI** and **B-MAD agent** for intelligent financial analysis and automated decision systems
- Experimented and engineered cross-platform mobile applications using **React Native & Flutter**, implementing native performance optimizations
- Implemented responsive design system serving **10,000+ monthly users** across desktop and mobile platforms

**NewOwl AI, Noida** - Frontend Engineer *Aug 2024 – Jan 2025*

- Developed company website using **Next.js** with SSR, improving initial page load through strategic code splitting
- Built core AI interview platform features including **speech recognition integration** and **real-time video recording** with WebRTC
- Collaborated with AI team to optimize user experience for real-time processing of interview analytics
- Integrated Web Speech API achieving **92% transcription accuracy** across diverse accents and conditions

**Hexaware Technologies, Navi Mumbai** - Project Trainee *Jun 2023 – Aug 2023*

- Built **Smart-Shop** e-commerce application using **MERN stack** handling user authentication and shopping cart functionality
- Implemented RESTful APIs.

### Technical Projects

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**RST-Store E-Commerce Platform** - GitHub *React || MongoDB || Node.js*

- Built full-stack fashion e-commerce platform supporting with advanced search and filtering
- Engineered admin dashboard with real-time analytics for inventory management and sales tracking
- Implemented JWT authentication, secure payment integration, and order processing pipeline

**TestToon: Multilingual Text Analysis** - GitHub *Python || T5 – Transformer*

- Developed AI-powered text analysis tool performing sentiment analysis and multilingual question generation
- Fine-tuned T5 transformer model achieving **85% accuracy** on sentiment classification across **10,000+ text samples**
- Built RESTful API serving predictions for real-time applications

**RECI-MANIA: Recipe Platform** - GitHub *PHP || MySQL*

- Created intelligent recipe recommendation system with personalized content delivery

- Designed normalized database schema serving **100+ recipes** with efficient search and categorization

## Education

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**Vellore Institute of Technology (VIT), Vellore**

*2020 – 2024*

B.Tech Computer Science & Engineering — CGPA: 8.3/10

## Leadership & Impact

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- **Event Advisor, IEEE-SSIT VIT** — Scaled technical events (**Ecathon, Hack4Cause**) by implementing strategic outreach, increasing participation using social media as platform.
- **Tech Advisor, Soft Computing Research Society** — Helped with the development of websites for different events
- **Open Source Contributor** — Maintain and contribute to multiple repositories with focus on best practices

## Certifications

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- **Full Stack JavaScript Web Development** — RST Forum [\[Link\]](#)