

# NOORUL AFREED

## AI Interaction Developer | Frontend & Accessibility Systems

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## SUMMARY

AI & Interaction Developer building AI-powered interactive applications across frontend, AI systems, and accessibility-focused digital experiences. Experienced in responsive UI development, interaction design, and AI-powered workflows.

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## EXPERIENCE

Web Development Intern — RE Tech Jun 2025  
Programming Intern — Hypstuma Pvt. Ltd. Aug 2024

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## PROJECTS

**FocusFlow** — AI productivity assistant for ADHD users with structured task breakdown

*HTML · CSS · JavaScript*

**Talk Quest** — AI communication training prototype for neurodivergent users

*HTML · CSS · JavaScript · Unity · Speech Recognition*

**Gym Project** — Responsive fitness tracking and workout management web app

*HTML · CSS · JavaScript*

**Typing Master Game** — Real-time typing game with scoring, timer, and performance analytics

*Unity · C#*

**Tesla Wireless Energy Transfer System** — Wireless energy prototype via resonant inductive coupling

*Arduino · IoT*

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## SKILLS

**Languages:** HTML, CSS, JavaScript, Java, C#

**Frontend:** Responsive Design, UI Design, Interaction Design

**Tools:** Git, GitHub, VS Code, Unity, Arduino, Netlify

**Other:** Speech Recognition, Natural Language Processing, Prompt Engineering, Machine Learning

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## EDUCATION

B.Tech in Information Technology — Hindustan Institute of Technology and Science, Chennai 2022-2026

*Relevant Coursework: IoT, Machine Learning, Artificial Intelligence*

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## RESEARCH PUBLICATIONS

Published research papers focused on AI systems, digital healthcare, and accessibility technologies.

- Multimodal Digital Intervention Using NLP, Speech Technologies, and Computer Vision for Autism Spectrum Disorder — Best Paper Award
- Deep Learning in Viral Diagnosis: Case Studies and Emerging Frameworks for Precision Medical Virology
- The Role of Digital Twins in AI-Driven Industry 4.0 and 5.0: Enhancing Sustainability and Innovation