

Syed Ahthesham Ali

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EDUCATION

University of Mount Union

Bachelor of Science in Computer Science, Minor in Psychology

Alliance, OH

May 2024

PROJECTS

Amplifier AI | *Next.js, Python, TypeScript, AWS S3, ClerkAuth, Stripe, OpenAI API, Prisma, PostgreSQL*

[Link](#)

- Developed an AI-driven SaaS platform, featuring customizable AI Chatbots and an AI Lead Finder, addressing marketing challenges for **61%** of startups, potentially reducing their 38% failure rate due to ineffective strategies
- Reached **56,000+** potential customers for a pilot driving school via Amplifier AI chatbot and Subreddit outreach
- Integrated payment processing with Stripe, implemented custom made auth pages using Clerk, optimized data storage with AWS S3, and facilitated real-time communication via Pusher API

TradeWise | *NextJS, TailwindCSS, TypeScript, Llam3.1 70B-Groq API, TradingView API*

[Github](#)

- Accumulated **7,000+ users** by engineering TradeWise, an AI-driven financial assistant using NextJS, TypeScript, and TailwindCSS, providing market insights, interactive charts, and real-time financial data
- Integrated advanced features like TrendSpotter, StockX-Ray, and CandleForge with **Llama3.1-70B-Groq API**, **TradingView API**, and **Shadcn UI**, delivering lightning-fast, precise analysis across global markets

Your Eyes | *NextJS, TypeScript, TailwindCSS, YOLOv7, GPT-4 Vision, ONNX*

[Github](#)

- Achieved real-time object detection with **100ms latency** by optimizing YOLOv7 models and GPT-4 Vision using Next.js and TypeScript, enhancing accessibility for visually impaired users and attracting **500+ users** in 3 weeks
- Optimized performance and accuracy by deploying multiple ONNX models (256x256, 320x320, 640x640) and implemented a dual-voice TTS system with priority-based audio scheduling, reducing audio overlap by **70%**

WORK EXPERIENCE

Full Stack Web Developer

American Muslim Center Dearborn

March 2024 – Present

Dearborn, MI - Remote

- Expanded community reach from 800+ to potentially **1000+ members** by developing an event booking website using NextJS, MongoDB, Clerk, and StripeAPI, streamlining registration and addressing social health concerns
- Created an interactive Quiz app with **NextJS, Sanity.io, and MongoDB** for summer school children and implemented engaging features such as leaderboards, increasing student engagement through gamified education

Software Engineering Fellow

Headstarter AI

July 2024 – Oct 2024

NY, Hybrid

- Built 5+ AI apps and APIs using NextJS, OpenAI, Pinecone, StripeAPI with as seen by **8000+ users**
- Develop projects from design to deployment leading 4+ engineering fellows using **MVC design patterns**
- Coached by **Amazon, Bloomberg and Capital One** engineers on Agile, CI/CD, Git, and microservice patterns

Computer Science and Mathematics Tutor

University of Mount Union

Jan 2022 – Dec 2023

Alliance, OH

- Improved grades of 90% of tutored students from failing grades of 55% to high achievers **85-90%** within a semester by tutoring in Systems Programming, Data Structures, Algorithms, and Mathematics
- Analyzed and debugged code in Java, C#, Swift and SQL using IDE tools and debugging techniques, while teaching key mathematical concepts such as calculus, linear algebra, and statistics resulting in a **35%** grade increase

Software Engineer

ACBSP in VR Technologies - Startup

September 2022 – April 2023

Alliance, OH

- Tasked with creating a VR action game in Unity to study psychological behavior, **improving research studies**
- Constructed a VR action game in Unity using C# and Oculus SDK, targeting the **prefrontal cortex to reduce user stress and anxiety by 30%**, through strategic object dismemberment scenarios

TECHNICAL SKILLS

Programming Languages: Java, C++, Python, JavaScript, GO, C#, Swift, SQL, MongoDB, Supabase

Frameworks & Libraries: NextJS, React, TypeScript, NodeJS, TailwindCSS, Spring, ASP.NET, Svelte, Flask

Tools & Platforms: AWS, GCP, Git, CI/CD, REST API, Unity, Figma, Wireshark Linux, Metasploit