Muhammad Mahad Ahmed

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🌐 Portfolio | ⬡ github.com/MahadAhmed05 | in linkedin.com/in/muhammad-mahad-ahmed

Summary

Full Stack Developer (Frontend-Focused) & AI Engineer with a strong background in building **scalable, high-performance web applications** using **React, Next.js, Node.js, and NestJS**. Passionate about creating seamless user experiences and robust backend systems. Experienced in developing intelligent applications using **Agentic AI** and the **OpenAI Agent SDK** for autonomous, reasoning-driven systems. **Building intelligent, user-centric solutions that bridge modern frontend engineering with emerging AI technologies through LLM integration and function orchestration.**

Work Experience

Full Stack Developer — Nodshift   Jan 2025 – Present

– Leading frontend development using **React, Next.js, and TypeScript**, focusing on scalable design systems and performance optimization.
– Contributing to backend services using **Node.js, and MongoDB**, enhancing API performance and data reliability.
– Implemented secure authentication and API integrations
– Experimenting with **Agentic AI**, integrating **LLMs and OpenAI Agent SDK** into internal tools for automation.

Frontend Developer — Digibytes   Mar 2024 – Dec 2024

– Worked on building and maintaining responsive web pages using **React.js, Next.js, and Tailwind CSS**.
– Implemented UI components based on provided designs and requirements.
– Integrated frontend components with backend APIs under guidance from senior developers.
– Fixed UI bugs and made small improvements to existing features.

Projects

Agentic AI Workspace (AI + Full Stack)   GitHub Repo

Developing a modular **Agentic AI platform** using **OpenAI Agent SDK, LangChain, and Next.js**. Features **multi-agent collaboration**, **context management**, and **function orchestration** for autonomous reasoning.

Furniture Marketplace (Full Stack)   Live Demo

Developed a full-featured marketplace using **Next.js, TypeScript, Sanity CMS**, and **Tailwind CSS**. Includes dynamic product listings, authentication, and responsive layouts.

E-Commerce Platform (Full MERN Stack)   Live Demo

Built a full-stack e-commerce web application using **MongoDB, Express.js, React.js (Next.js), and Node.js**. Implemented product listing, cart functionality, and basic checkout flow with REST APIs connecting frontend and backend.

Blog Website (Frontend + CMS)   Live Demo

Created a clean, SEO-optimized blog using **Next.js, TypeScript, and Sanity CMS**, focusing on fast rendering and smooth reading experience.

Resume Builder App (Frontend + Logic)   Live Demo

Designed an interactive resume builder using **HTML, CSS, JavaScript, and TypeScript**, allowing users to dynamically generate and customize resumes.

Education

2023 – 2027   Bachelor of Science in Computer Science (BSCS), **University of Karachi**, Karachi

Skills

Frontend	**React.js**, **Next.js**, **TypeScript**, Redux, **Tailwind CSS**, Shadcn UI, Material UI, HTML5, CSS3, JavaScript (ES6+)
Backend	**Node.js**, **NestJS**, Express.js, REST APIs, Authentication (JWT, OAuth2), Microservices Architecture
Agentic AI & AI/ML	**Python**, **OpenAI Agent SDK**, **LLM Integration**, Prompt Engineering & Context Management, **Function/Tool Orchestration**, Multi-Agent Systems, LangChain, Hugging Face
Databases	**MongoDB**
DevOps	Git, GitHub, **Docker**, **AWS**, Vercel, CI/CD Pipelines
Other	Agile/Scrum, Responsive Design, Unit Testing (Jest, React Testing Library, Cypress), **Problem Solving**