

MOHD FARHAN AKHTAR

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LEETCODE | LINKEDIN | PORTFOLIO | GITHUB

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EXPERIENCE

Software Engineer

HELIUM

📅 Jun 2024 - Aug 2026 📍 New Delhi, Hybrid

- **End-to-End Architecture:** Directed the technical lifecycle of the Catalogue and Contextualization engines—from Shopify API integration to UI rendering—and built a config-driven deployment system that reduced brand onboarding time by **40%**.
- **AI-Driven Personalization:** Engineered a dynamic **Gen-AI pipeline (Google Gemini/Fal.ai)** that synthesizes ad-intent and UTM parameters into personalized UI components, significantly boosting engagement.
- **Backend Scaling & Optimization:** Orchestrated a core infrastructure migration to **Bun/Elysia**, achieving a **60% performance improvement**, and built distributed cron-job queues for massive-scale, multi-tenant inventory synchronization.
- **Data Warehouse Engineering:** Architected **ClickHouse** pipelines using automated batch-upsert logic to process high-volume analytics, integrated with **Grafana/Prometheus** for reliable event-stream monitoring.
- **Secure Multi-Tenant Integrations:** Engineered custom **OAuth 2.0** authentication flows for Meta/Google Ads and implemented secure credential vaulting utilizing **Drizzle ORM** and **PostgreSQL**.

Frontend Engineer

VISARIO

📅 Oct 2023 - May 2024 📍 Amsterdam, Remote

- **Performance & Reliability Engineering:** Led critical system optimizations including a **95% reduction in initial page load** (58MB to <3MB), end-to-end legacy migration, and successful resolution of **AWS Cognito** and payment gateway (**Cashfree**) integration bottlenecks.

TECHNICAL SKILLS

- **Languages & Runtimes:** JavaScript (ES6+), TypeScript, Python, SQL, C/C++, Node.js, Bun.
- **Frontend Architecture:** Next.js (App Router), React.js, React Native, React Query, GraphQL, Tailwind CSS.
- **Backend & Data Engineering:** Elysia.js, Express.js, PostgreSQL, ClickHouse, Redis, Pinecone, Drizzle ORM, Prisma.
- **AI & Infrastructure:** Gen-AI (Gemini/Fal.ai), Docker, AWS (S3/Cognito), Grafana, Prometheus, Git, CI/CD, Linear/Jira.

ACHIEVEMENTS

- Reached the semi-final stage of E-yantra robotics competition held at IIT-B.
- Got a Global Rank of 360 among 24K participants in CodeChef's Starters 75 Division 4.
- 1818 Rated at leetcode (coding platform).

EDUCATION

M.Sc (ICT)

Friedrich-Alexander University of Erlangen–Nuremberg

📅 Oct 2026 – Spet 2028

B.Tech. (EE) - 7.88 CGPA

Jamia Millia Islamia

📅 July 2020 – July 2024

Higher Secondary - 87.2%

Aligarh Muslim University Board

📅 2020

Secondary - 96%

Central Board of Secondary Education

📅 2018

PROJECTS

FLIPZONE | [Link](#)

- Developed a feature-rich **e-commerce platform** with **OAuth-based authentication**, dynamic product browsing, and advanced cart and wishlist management. Designed intuitive UI/UX with filters, search, and comparison tools to enhance product discovery. Implemented order tracking and review systems, enabling seamless post-purchase interactions. Utilized **Next.js**, **Typescript**, and **MongoDB** to deliver a scalable, high-performance solution.

TALKITIVE | [Link](#)

- Developed a **real-time messaging application** using **Pusher** for instant communication, featuring a sleek, responsive UI enhanced by **Tailwind CSS** and smooth animations. Key functionalities include secure authentication with **NextAuth** (supporting Google and GitHub), robust error handling, message read receipts, online/offline indicators, group chats, and customizable user profiles. The app also allows chat room and channel management, along with file and image uploads via **Cloudinary CDN**.

FIFA POINTS TABLE SIMULATOR | [Link](#)

- Developed a web app with **Next.js**, **Tailwind CSS**, **MongoDB**, and **Redux Toolkit** for round-robin tournaments, overcoming FIFA limitations, enhancing player engagement, and improving tournament management. Implemented **CRUD features** for efficient score tracking, points table updates, and premade fixture generation, ensuring fair competition and seamless player experience.