# Hafiz Muhammad Haris

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## SUMMARY

Software Engineering senior specializing in full-stack and data-oriented web systems, with experience building and deploying production-grade applications using React, Node.js, and modern data tooling.

## EXPERIENCE

**TransGPA:  Academic Transcript Analyzer & CGPA Simulator**                     January 2026
(Live preview: https://trans-gpa-uol.vercel.app)
(GitHub: https://github.com/harisizm/TransGpa)
*Tech Stack: React, TypeScript, Vite, Tailwind CSS, Recharts, pdfjs*

- Built a privacy-first transcript analyzer used by **100+ students**, enabling **real-time GPA simulations** across multiple semesters
- Visualized **4+ academic performance metrics** using Recharts dashboards
- Parsed academic PDFs locally in **<2 seconds**, ensuring zero server-side data storage

**Timetable Generator-UOL**                     August 2025
(Live preview: https://timetable-generator-uol-se.streamlit.app)
(GitHub: https://github.com/harisizm/Timetable_Generator_UOL_deployed)
*Tech Stack: Python, Pandas, Openpyxl, Streamlit, Pillow, Matplotlib, Plotly*

- Developed a Python-based timetable generator **Used by 60+** University of Lahore-Software Engineering Department students with smart semester/section filtering, curriculum cross-checking, and shareable image output using Streamlit, Pandas, NumPy, and Matplotlib.

## EDUCATION

**The University of Lahore**                     February 2023 - May 2027
Bachelors in Software Engineering
**Punjab Group of Colleges, Main Campus, Lahore**                     2019-2021
Pre-Medical
**Garrison Academy Senior Tufail Shaheed Campus, Lahore**                     2019
SSC Marks: 1024/1100 (93%) | Bronze Medalist

## SKILLS

- **Programming Languages:** C++, JavaScript, Python
- **Frontend Development:** HTML, CSS, React.js, Next Js, Tailwind CSS
- **Backend Development:** Node.js, Express.js
- **Databases:** MongoDB, MySQL

## PROJECTS

**Khilariverse: E-commerce Gaming Peripherals Store**                     December 2025
(Live preview: https://khilariverse.vercel.app)
(GitHub: https://github.com/harisizm/Khilariverse)
*Tech Stack: MongoDB, Express.js, React (Vite), Node.js, Redux Toolkit, Tailwind CSS*
- Developed a full-stack MERN e-commerce platform supporting **100+ products and role-based access for admins and users**
- Implemented **5+ admin analytics modules** for sales, inventory, and order tracking.
- Integrated Cloudinary and Nodemailer, automating **100% of image storage and transactional emails** and Redux Toolkit for global state management.

**Grocery Store Management System (POS)**                     December 2025
(GitHub: https://github.com/harisizm/GROCERY-POS-SYSTEM)
*Tech Stack: React.js (Vite), Node.js, Express.js, MySQL, Tailwind CSS*
- Developed a full-featured web-based Point of Sale (POS) and inventory management system for grocery stores with real-time sales processing.
- Implemented inventory, product, category, supplier, and customer management with low-stock alerts and **automated stock updates**.
- Designed a **normalized relational database** (EER Diagram) in MySQL to ensure data integrity, scalability, and efficient querying.
- Built role-based authentication for administrators and cashiers, interactive dashboards, PDF sales report generation, and sales analytics.

**Zayrah: E-commerce Grocery Shopping Website**                     May 2025
(Live preview: https://zayrah-by-harisizm.vercel.app)
(GitHub: https://github.com/harisizm/Zayrah)
*Tech Stack: MongoDB, Node.js, Express.js, React.js, Cloudinary, TailwindCSS*
- Built a full-stack e-commerce platform with React.js, Node.js, Express.js, MongoDB, and Stripe for secure payments.
- Implemented authentication and role-based access (users, sellers, admins) with JWT, product management, cart, and checkout features.
- Designed a responsive, mobile-friendly UI and integrated real-time APIs for seamless user and seller experiences.

**Zayr: E-commerce Clothing Brand Website**                     April 2025
(Live preview: https://zayrbyharisizm.vercel.app)
(GitHub: https://github.com/harisizm/Zayr_by_Harisizm)
*Tech Stack: React.js, HTML, CSS, JavaScript*
- Built with React and React Router with customized CSS styling.
- Implemented product listing by categories and smooth navigation with functional elements and routing.
- Developed functional Cart and login/signup pages.

**Fundamental JavaScript Projects**                     September 2025
(GitHub: https://github.com/harisizm/JS-projects-before-mern)
*Tech Stack: HTML, CSS, JavaScript*
- A dedicated collection of projects (weather app, calculator, to-do-list, password generator, landing page) built from scratch to solidify core JavaScript concepts.

## CERTIFICATIONS

**Supervised Machine Learning Specialization – Coursera, Stanford Online, Deeplearning.AI**
(verification: https://coursera.org/share/542313d84f1815a93b7e0398c4b8c1fe)