

ARHAM ALI

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PROFESSIONAL SUMMARY

Results-oriented Computer Science undergraduate with a strong foundation in Artificial Intelligence and Full-Stack Development. Proven track record of designing end-to-end intelligent systems and scalable web applications serving 700+ active users. Proficient in Python, C++, Next.js, and AutoML pipelines, with an ability to translate complex technical problems into practical, deployed solutions.

EDUCATION

National University of Sciences and Technology (NUST)

Bachelor of Science in Computer Science

Islamabad, Pakistan

Sep 2023 – Present (Exp. Grad May 2027)

- Relevant Coursework: Data Structures, Algorithms, OOP, Database Systems, Machine Learning, Web Engineering.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, TypeScript, SQL, HTML/CSS

AI & Machine Learning: Scikit-learn, Pandas, NumPy, AutoML, Model Evaluation, Grid/Random Search

Web Development: Next.js 14, React.js, Tailwind CSS, Flask, Streamlit, REST APIs

Tools & Platforms: Git, GitHub, Supabase, Firebase, MongoDB, Google Maps API, Gemini AI

KEY PROJECTS

EHS School Management System | Next.js 14, Supabase, TypeScript

- Engineered a comprehensive full-stack school management platform serving **700+ students**.
- Implemented Role-Based Access Control (RBAC) for secure Admins and Operator dashboards using Supabase Auth.
- Developed modules for real-time attendance tracking, fee management automation, and class scheduling.

EvZone QA Services Website | Next.js 14, TypeScript, Firebase, MongoDB

- Developed a production-ready corporate website featuring responsive UI, Framer Motion animations, and dynamic showcases.
- Built secure API routes for contact forms and newsletters, integrating reCAPTCHA v3 and rate limiting middleware.
- Automated data collection workflows using Google Sheets API and implemented server-side rendering for performance.

AutoClasP (Automated Supervised Classification) | Python, Streamlit, Scikit-learn

- Architected an end-to-end AutoML solution that automates the supervised classification workflow from data ingestion to deployment.
- Built an interactive Streamlit application allowing users to upload CSV/Excel files and visualize model performance.
- Implemented automated hyperparameter optimization using GridSearchCV and RandomizedSearchCV to maximize accuracy.

Hamsafar – AI-Powered Travel Assistant | React, Gemini AI, Google Maps API

- Developed an intelligent travel companion web app integrating Gemini AI for natural language query resolution.
- Implemented location-aware services using Google Maps API for live GPS tracking and route optimization.

CERTIFICATIONS

Mathematics for Machine Learning & Data Science – DeepLearning.AI

JavaScript Essentials 1 – Cisco Networking Academy