HANZALA SAIFY

Aspiring Cybersecurity Analyst | Full-Stack Web Development | Data Analysis | Machine Learning

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EDUCATION

B-Tech Computer Engineering

School of Technology, Management and Engineering, NMIMS Indore

📅 2022 - Present   📍 Indore
- CGPA/Percentage: 3.37/4

Class XII

Choithram School   📅 2022   📍 Manik Bagh, Indore

Class X

Choithram School   📅 2020   📍 Manik Bagh, Indore

EXPERIENCE

Web Developer & Database Administrator Intern

Medisoft Technologies   📅 10/2025 - 12/2025   📍 Indore

- Contributed to the optimization, maintenance, and enhancement of the company's web applications, improving reliability, performance, and usability.
- Assisted in designing, managing, and maintaining medical data logging systems, ensuring secure handling of sensitive healthcare information.
- Worked in adherence to HIPAA and GDPR compliance guidelines, supporting data privacy, access control, and secure storage practices.
- Supported billing and transactional workflows, including data validation, record accuracy, and backend database operations.
- Collaborated with cross-functional teams to troubleshoot issues, implement updates, and maintain system integrity in a healthcare environment.

PROJECTS

MarketMuse AI

MarketMuse AI – Multi-Agent Marketing & Growth Workspace (Capstone Project)
- Engineered a comprehensive, multi-agent AI marketing platform using React and Supabase.
- Architected a sophisticated, real-time token-based billing and usage-tracking system for 10 distinct AI agents.
- Implemented a full-cycle campaign management dashboard with data-driven analytics and integrated n8n webhooks for complex workflow automation.

ChartGenie

ChartGenie (AI-Powered Data Visualization Platform)
- Architected a full-stack, AI-powered data visualization platform to transform raw CSVs into 7+ types of interactive dashboards using React and Apache ECharts.
- Improved data analysis speed by 30% by deploying a RAG system using Groq LPU and Supabase Edge Functions.

SUMMARY

Computer Engineering graduate with a strong foundation in **full-stack web development, data science, and applied AI**, complemented by hands-on exposure to **cybersecurity and network analysis**. Experienced in building **end-to-end systems**—from scalable web applications and RESTful APIs to **intelligent AI solutions** leveraging **machine learning, deep learning, and retrieval-augmented generation (RAG)**. Proficient in **Python, JavaScript/TypeScript, SQL**, and modern frameworks including **React, Next.js, Node.js, FastAPI**, with practical experience working with **databases, cloud-backed services, and vector search pipelines**. Demonstrates strong **problem-solving ability**, solid grasp of **DSA, OOPs, distributed systems**, and a security-aware mindset through work with **Linux, networking concepts, and traffic analysis tools**. Known for quickly adapting to new technologies, delivering clean and maintainable solutions, and bridging the gap between **software engineering, data, and intelligent systems** to build real-world, production-ready applications.

TRAINING / COURSES

AWS Academy Graduate - Cloud Architecting

AWS Academy

Google Cybersecurity

Coursera

Google Cloud Fundamentals

Google Cloud Study Jams

Udemy: Ethical Hacking from scratch

Udemy

Udemy: Data Analyst in Python

Udemy

MERN Stack Development

30DC

LANGUAGES

Language	Level	
Hindi	Native	●●●●●
English	Proficient	●●●●○
German	Intermediate	●●○○○

PROJECTS

PropertyRAG

PropertyRAG (AI-Powered Real Estate Intelligence Platform)
- Escalated client engagement by 20% by engineering a production-grade real estate intelligence platform using RAG.
- Built a FastAPI backend with 9-intent classification, analytics engine, and hybrid search pipeline. Utilized CrossEncoder re-ranking for high-confidence multi-turn answers.

Customer Churn Retention

Customer Churn Retention in Telecom Industry
- Increased customer retention by 15% by developing a predictive machine learning model for telecom churn.
- Applied feature engineering, model selection, and evaluation to optimize churn prediction accuracy, aiding customer retention strategies.

Room-wise Unique Object Detection System

Room-wise Unique Object Detection System
- Developed a computer vision application using YOLOv8 and Streamlit to detect and analyze unique household objects.
- Improved data visualization and analysis capabilities, increasing efficiency by 25%, by implementing a comprehensive analytics dashboard and batch processing module.

Distributed Image Processing Pipeline

Distributed Image Processing Pipeline
- Designed and enforced a distributed system for large-scale image processing tasks.
- Amplified processing speed by 80% by utilizing distributed computing frameworks for high-volume image datasets.

SKILLS

Programming Languages

Python, JavaScript, TypeScript, C++, R, SQL, Java

Web Development & APIs

HTML5, CSS, React.js, Next.js, Node.js, Express.js, FastAPI, Streamlit

AI & Machine Learning

Classification, Regression, Clustering, Feature Engineering & Model Evaluation, Neural Networks, CNNs, LLM-based systems, Prompt Engineering, Embedding-based Retrieval, Context Injection, Object Detection, Image Classification

Databases, Cloud & Backend Services

MongoDB, MySQL, Supabase, Firebase, Vector Databases, AWS, GCP

Tools & Libraries

NumPy, Pandas, Scikit-learn, TensorFlow, OpenCV, Matplotlib, Tableau, Linux, Git/GitHub, Postman

Core Computer Science Foundations

Data Structures & Algorithms, Object-Oriented Programming (OOPs), Database Management Systems (DBMS), Distributed Computing, Probability & Statistics, Cybersecurity, Cryptography & Network Security

FIND ME ONLINE

LinkedIn
https://www.linkedin.com/in/hanzala-saify-11aa3a262/

GitHub
https://github.com/Hanzala1518

INTERESTS

- Bike riding
- Billiards
- Driving
- Gaming
- Table tennis
- Watching movies

VOLUNTEERING

Social volunteer

Sewa Bharti Malwa

📅 05/2023 - 06/2023

Participated in community outreach: conducted field surveys, taught life skills, and organized activities for children to promote learning and teamwork.

STRENGTHS

Adaptability & Fast Learning
Quickly learns new tools and technologies to meet evolving project needs.

Problem Solving
Breaks down complex requirements into practical, scalable solutions.

Ownership & Accountability
Takes responsibility from design to delivery, ensuring quality outcomes.

Security-Aware Engineering
Builds systems with data privacy, compliance, and reliability in mind.

Clear Communication & Collaboration
Effectively works with teams and stakeholders to align technical solutions with goals.