NOMAN GHOUS

Software Engineer

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SUMMARY

I am a motivated Computer Science graduate with a solid foundation in Python, C++, and micro-controller-based systems. My background includes proven experience in IT support and development, showcasing my innovative problem-solving skills. I am eager to contribute to software development and IT projects, utilizing my technical expertise and collaborative approach.

EDUCATION

Bachelor of Science in Computer Science GPA(3.28)

IQRA UNIVERSITY

📅 02/2021 - 01/2025 📍 Karachi

INTERMEDIATE IN PRE-ENGINEERING

Govt. Jinnah College Karachi

📅 01/2018 - 03/2020 📍 Karachi

Matriculation in Science

Mak Way Grammar School

📅 01/2016 - 03/2018 📍 Karachi

PROJECTS

Artificial Tongue

📅 01/2023 - 01/2024

Final Year Project

- Designed a sign language translating system using Python and Arduino, integrating sensor-based gesture recognition.
- Developed an ESP32-based interface for real-time translation into text, speech, and image formats.

DBMS Project

📅 01/2022 - 01/2024

- Designed and implemented a student database system using MySQL and SQL, including ER modeling, normalization, and SQL queries to optimize data management.

Python Project

📅 01/2023 - 01/2024

- Developed a Python-based banking application for risk assessment, reducing manual effort by 40%.
- Implemented modular design to scale and tackle real-world problems efficiently.

Machine Learning Report

📅 2024

- Researched and implemented a predictive model using supervised learning techniques. Achieved analyzing results through visualization and testing with real-world datasets.

LANGUAGES

Language
Beginner ● ○ ○ ○ ○

SKILLS

Arduino dbms Linux

Microsoft Office Modular MySQL

Python Risk Assessment SQL

INTERESTS

🧠 **Fitness**

Regular gym-goer committed to personal well-being.
Education Advocate: Producing regional-language tutorials on finance and technology.

KEY ACHIEVEMENTS

💎 **ARTIFICIAL TONGUE (Final Year Project)**

Designed a sign language translating system using Python and Arduino, integrating sensor-based gesture recognition.
Developed an ESP32-based interface for real-time translation into text, speech, and image formats.

MY DAY
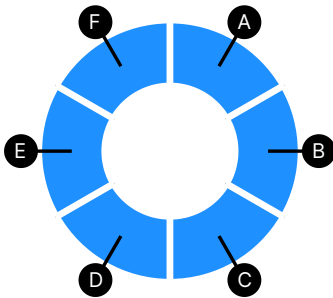
A "Designed a sign language translator using Python and Arduino for speech-impaired individuals."

B "Developed a Python-based desktop application for task automation, reducing manual effort by 40%."

C "Implemented a relational database system using MySQL and SQLite for efficient data management."

D "Researched and implemented a predictive model using supervised learning techniques."

E "Produced regional-language tutorials on finance and technology to promote digital literacy."

F "Built a hardware-based calculator using Arduino, integrating physical buttons and an LCD display for real-time calculations."