ABDUL HAADI TAUFIQ SHAIKH

Address 402, 4th floor, Mathra Apart., above Café Alif, S.V. Road, Jogeshwari (West), Mumbai.
Phone +91 7400141672
Email abdulhaaditaufiq@gmail.com
Profile LinkedIn

OBJECTIVE

"Aspiring Electronics & Telecommunication Engineering student with a strong foundation in analytical, problem-solving, and communication skills. Seeking opportunities to apply my technical knowledge and skills in a dynamic and growth-oriented environment."

EDUCATION

Diploma In Electronics and Telecommunication Engineering - Final Year |
St. Xavier's Technical Institute
SEPTEMBER 2022 – PRESENT SECURED – **90.67%** IN 4TH SEMESTER

Secondary School Certificate |
Millat High School
JUNE 2021 - MARCH 2022 SECURED – **70.60%**

TECHNICAL SKILLS

- Web Development & Networking:
  Basic knowledge of website development, computer networking, and LAN setup
- Typing
- Internet Browsing
- Software Tools:
  Cisco Packet Tracer, MATLAB, Multisim, Microsoft Word, PowerPoint
- calligraphy (English, Urdu, Arabic)
- Programming Languages: Python, C, C++

PROJECTS

- Smart Attendance System/Device (Prototype)
  The smart attendance device consists of two main components: a fingerprint module for biometric identification and an ESP32 microcontroller for processing and communication. It is compact and portable, meaning it can be carried and used in different locations (classrooms, conference rooms, etc.), unlike fixed-point attendance systems.
  - Fingerprint Recognition: Ensures accurate and authentic attendance tracking.
  - Web-Based Configuration: Allows easy remote management through a website.
  - User-Friendly: Simple to set up and operate for administrators.
  - Cost-Effective: An affordable solution for reliable attendance management.
- Optical Wireless Communication System
  The optical wireless communication system using laser light, a solar cell, and a PAM circuit offers high-speed data transmission with low interference and enhanced security due to its line-of-sight nature. It is energy-efficient, utilizing a solar cell to convert optical signals into electrical signals, reducing power needs. The use of a PAM circuit allows for effective modulation and demodulation of data, ensuring efficient communication.
  - Laser Transmission: Data sent via laser over free space.
  - Solar Cell Receiver: Converts optical signals to electrical.
  - PAM Circuit: Efficient signal modulation and demodulation.
  - Line-of-Sight: Direct path required, minimizing interference.
  - Adaptable: Suitable for various communication applications.

INDUSTRIAL VISITS & ACTIVITIES

- Industrial Visit: Door Darshan, Mumbai.
- NSS Activity: Participated in a community service program at Sanjay Gandhi National Park, Navpada Village.
- School Connect Activity: Conducted an advertisement campaign at Victoria High School to encourage students to join St. Xavier's Technical Institute after 10th grade.
- Participated in KHO-KHO inter college sports competition.

EXTRACURRICULAR ACTIVITIES

- Sports: Swimming, Skating, Cycling, Chess, Carrom, Football.
- Hobbies: Reading books, exercising, learning coding.

ACCOMPLISHMENTS

- Hafiz of the Holy Quran.
- Secondary School Certificate.