

MUHAMMAD WALEED

ELECTRICAL ENGINEER

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SUMMARY

Electrical Engineering student at **FAST-NUCES** transitioning to Computer Engineering, with expertise in C++ programming and embedded systems. Developed Arduino-based automation projects and contributed to open-source software on **GitHub**, aiming to innovate in software-hardware integration.

TECHNICAL SKILLS

- C++ Programming
- Problem Solving & Debugging
- Circuit Analysis & Simulation
- Embedded Systems (Arduino, Microcontrollers)
- Version Control (Git & GitHub)
- Web Development (HTML, CSS)
- Graphic Designing
- Word, Excel & Power point
- Blender
- Adobe Photoshop & Illustrator
- Canva & Figma
- Branding & Content Creation

PROFESSIONAL EXPERIENCE

Founder & Developer

WNR Production Studio Lahore, Pakistan

Jan 2023 – Present

- Founded a multidisciplinary studio focusing on **Problem solving, Embedded systems, branding, and animation.**
- Developed Arduino-based prototypes and interactive hardware-software interfaces.
- Engineered a **Car Showroom Sales System in C++**, enabling efficient management of vehicle inventory, sales, and customer data, with full code and documentation on GitHub (github.com/W-N-R/Car-Showroom-Sales)
- Developed a full-stack web sites using **HTML** and **CSS**, deployed on GitHub Pages, achieving **1500+** user visits.
- Created 3D animations, short films, and branded intros using **Blender**

Accounts & Production Manager

Vintex Traders (Pvt. Ltd) Lahore, Pakistan

Aug 2018 - Sep 2022

- Implemented data-driven cost-control measures, improving budget efficiency by 15% using Excel-based financial models

Muhammad – HR, Vintex Traders | [+92 325 9859004](tel:+923259859004) | vintex.ftm@gmail.com

EDUCATION

Bachelor of Science in Electrical Engineering

Aug 2024 - Present

FAST (NUCES) National University of Computing and Emerging Sciences

- Completed coursework in Programming Fundamentals (**OPP**), Circuit Theory, Embedded Systems Design and engineering workshop.
- Practiced problem-solving through lab work and simulation tools like **PSPICE, Proteus, MATLAB** and **Altium**.
- Currently enrolled with planned specialization in Computer Engineering after second year.

PROJECTS

- Engineered a **4x4x4 LED Cube** Display using **Arduino Nano**, coded in C++ with multiplexing for customizable animations, with full code and documentation on GitHub (github.com/W-N-R/LED-Cube-4x4x4)
- Participated in university-level technical events, workshops, and team-based engineering challenges.

ADDITIONAL INFORMATION

- **Languages:** English, Urdu.
- **Professional Experience Certification – Vintex Traders (PVT. LTD):** Issued: [Sep, 2022]
Recognized for contributions in Accounts Management and Production Coordination.
- **HP (Effective Leadership), (presentation certificate), (cybersecurity certificate)**