

# FURQAN AHMAD

## COMPUTER ENGINEER



PORTFOLIO

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### PROFESSIONAL SUMMARY

As a computer engineer with a focus on programming, machine learning, web development, game development, embedded systems, and database technologies, I am driven to expand my skills and tackle new challenges. With experience in software development, website design and coding, game creation, and a strong foundation in machine learning, embedded systems, and database management, I am dedicated to delivering top-quality products that exceed user expectations. I thrive in collaborative environments and enjoy bringing innovative ideas to life through teamwork.

### ACADEMIC BACKGROUND

**NUST COLLEGE OF EME** 2020-Ongoing  
**BS COMPUTER ENGINEERING**

NUST CEME: Prestigious for computer engineering. Rigorous curriculum, experienced faculty, and facilities. Foster's innovation prepares for success.

**APS & COLLEGE DIK** 2018-2020  
**FSC PRE ENG**

APS & College Dera Ismail Khan: Pre-engineering, 2020. A strong foundation for computer engineering. Discipline, teamwork, state-of-the-art facilities.

### SKILLS

- Programming Languages: C/C++, Python
- Machine Learning: Regression, Classification, Neural Networks, Deep Learning
- Embedded Systems: Microcontrollers, NodeMCU, Arduino,
- Database: SQL, MySQL
- Software Development
- Web Development
- Operating Systems
- Problem-solving
- Networking
- Project Management
- Communication

### PROJECTS

- **Skin Lesion Classification uses Image Processing**  
Tools: Python, OpenCV, Numpy
- **Braille-Language-Decoding**  
Tools: Python, OpenCV, Numpy
- **Huffman Text Compressor Program**  
Tools: C++, DotNet, GUI
- **NodeMCU-Color-Sorter**  
Tools: Arduino, NodeMCU
- **Caesar-Ocean Shooter Combat Game**  
Tools: Python, Pygame, Pyaudio, Pysocket
- **Object Counter in Binary Image**  
Tools: Python, OpenCV, Numpy
- **Hangman Game**  
Tools: Python

### CAREER HISTORY

**INTERNSHIP** Feb 2022 – May 2022  
**DESTRA TECHNOLOGIES**

Hardware and software integration, improving delivery efficiency and security through interconnected systems, and developing efficient delivery processes. Hands-on experience in IoT and embedded systems engineering, utilizing cutting-edge technologies to optimize operations and enhance user experience.

**DUPTY DIRECTOR** Jan 2022 – June 2022  
**COMPPEC**

Led graphics team in creating appealing designs for event promotions. Collaborated on marketing materials. Oversaw printing for high-quality output. Ensured efficient teamwork and on-time completion. Maintained brand consistency. Experienced in team management and design consistency.