Hamza Farooq

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# Professionals Skills

* **Development Languages** [C#, C++, Python, Embedded C]
* **Tools/Technologies** [VSCode PlatformIO, Arduino IDE, C# Winforms, Unity5, 3d printing]
* **Databases** [SQL Server, MySQL]

# Internship

# Takhleeq UET [June 2019 – Sep2019] Developed admission system of IB&M department UET in ASP.net

# Vvork Cloud Technologies [July 2018 – August 2018] Worked on frontend development in Adobe Photoshop, HTML5, CSS3, Bootstrap, AngularJS.

# Education

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| --- | --- | --- | --- |
| **Degree** | **Institution** | **Passing Year** | **Marks** |
| BSc CS | University of Engineering and Technology, Lahore | 2020 | CGPA 3.61 |
| FSc. | Govt. Shalimar College Baghbanpura Lahore (BISE Lahore) | 2015 | 80.00 % |
| Matriculation | Mughal Education Foundation School (BISE Lahore) | 2013 | 88.57 % |

# Final Year Project

# Digital Board Marker: Storage Efficient Lecture Recording System for Class Lectures is a comprehensive, cross-platform lecture recording system that saves storage up to 100 times. It can live stream lecture animations at very low internet speeds and hence dramatically save internet data consumption. It can turn any plane surface into an interactive, ultra-durable touchpad. Tools and Technologies used: C# Winforms, Unity5, AngularJs, Bootstrap, ASP.net Core

# Term Projects

•Smartphone Controlled Surveillance Robot - MAD (Arduino, Unity5) •Advanced Virtual Reality – ICS (Arduino, Unity5) •Buck Boost Converter – CA (IoT modules) •8-bit Computer – DLD (Discrete Components) •Balloon Shooter – COAL (Assembly Language) •Numerical Methods for Differential Equations – NA (Matlab) •Or Sunao – OOAD (C#, WCF) •Handwritten Digit Recognition – AI (Python3)

# Side Projects

•Scorpio, 3d printed tank robot (Cura3, TinkerCad, Fusion360, IoT) •Water Sonic, Ultra-durable water level monitor and manager (Embedded C, Arduino, IoT modules)