

# Hamza Rehman

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## Profile

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As a dedicated and aspiring software engineering student in my final year at Final International University in North Cyprus, I am committed to pursuing excellence in my field and contributing to innovative projects that make a positive impact. My academic journey and hands-on experience have equipped me with a strong foundation in software development and a passion for problem-solving in the world of technology. I consistently leverage my skills and knowledge to achieve mutual goals in team environments, ensuring collaboration and success.

## Education

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2021 – present	<b>BS Software Engineering</b>
Kyrenia, Cyprus	<i>Final International University</i>
	Final Year

2017 – 2019	<b>Fsc Pre-Engineering</b>
Peshawar, Pakistan	<i>Edwardes College</i>

## Projects

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### E-Learning platform

*MERN Stack*

A term project on E-learning platform was implemented using multi-lingual, microservices architecture. The project was supposed to register and display courses to users for online education. Different services were integrated seamlessly into single system. Services such as user-management and jwt authentication was handled by Node.js, courses on the platform were managed by Django whereas frontend service was handled by React.js. These services were integrated using APIs endpoints.

### AI Model

*Python*

Worked on a term project in AI which was able to predict the readmission risk, of diabetic patients, in the next thirty days. Two models were used for the prediction, a traditional machine learning model, Random Forest, and a neural network model. The models were trained first on the provided dataset and then tested. After the comparison of both the models, random forest was performing better than the neural network with an accuracy of around 65%.

### Professor and university rating application

*ASP.NET (MVC)*

Created a web based application using ASP.NET MVC that would allow users to be able to rate their respective professors or universities. The project was designed in a way so that users can only rate their own universities and professors. This was achieved by restricting users to be able to register only with their university's email. Overall rating would be calculated based on individual ratings. Users would also be able to write anonymous comments.

### Pizza Ordering System

*Windows Forms (.NET Framework)*

Created pizza ordering application that would allow users to select their choice of pizza, it's quantity and toppings. After finishing the order an invoice would be created with all the details about the order. Object oriented approach was exercised using C# language.

## Skills

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### Programming & Coding

C/ C++/ C#(Windows Forms)/ Python/ HTML/ CSS  
Node.js

### Database

MySQL  
Microsoft Access

### Microcontrollers

Arduino Uno

### Project Management Tools

Github  
Asana

### MS Office Skills

MS Word  
Excel Spreadsheets  
PowerPoint

### Development Frameworks

ASP.NET MVC  
Windows Forms (.NET Framework)

### Development Platforms

Visual Studio  
Visual Studio Code  
MySQL Workbench  
Proteus

### Software Project Management & Design

SDLC (Software development lifecycle)  
Agile Methodologies  
Crystal Methodology

### Proficient Communication

Collaborative, Good Listener,  
Presentation Skills

## Interests

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- Software/ Web Development
- Artificial Intelligence/ ML
- Astronomy