



# Armaghan Abdul Qayyum

## Bachelor of Computer Science

<b>Education</b>	<b>FAST - National University of Computer and Emerging Sciences, Islamabad</b> Bachelor of Science (Computer Science) <b>Majors:</b> <u>Data Science and Machine Learning/ Web Development/ Databases</u> <b>Government College Township, Lahore board</b>	<b>2015- 2020</b>
	Intermediate (Pre - Engineering) <b>Al-Hamd School of Sciences, Lahore board</b>	<b>2013-2015</b>
	Matriculation (Science)	<b>2011-2013</b>

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***Final Year Project*** **Semantic Quran [Java, PHP, MySQL, SPARQL]**  
Developed the semantically annotated Quran application, in which we annotated the tajweed rules on the verses of Quran and developed a Rest API of SPARQL query search engine using JENA API and integrated it in the client application.

***Semester Projects*** **AWS Infrastructure and Load Balancer [AWS, Terraform, Gitlab]**  
Create an AWS infrastructure and application load balancer and automate it via terraform and track the changes using Gitlab

**Design and Implement Network Topology [Cisco Packet Tracer]**  
Design and configure the network topology using Cisco Packet Tracer and Implement the concepts of Static Routing, Dynamic Routing, VLSM, DHCP and IPV6.

**Auto Scale and Load Balance the Web Application [Python, Dockers, Gitlab]**  
Develop a basic flask application and deploy it on docker containers then built a python script that automates the process of auto scaling and load balancing the Web Application. Besides this perform issues monitoring using Gitlab

**HR Churn Prediction [Python, Pandas, Matplotlib, Scikit-Learn]**  
After performing EDA (Exploratory Data Analysis) developed the Machine learning model To predict whether the employee leave the company or not by using the Random Forest algorithm as well as hyper tuned the model using Random Search CV.

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***Certificates***

- **Data Science and Machine Learning** certification from **Dice Analytics**
- **Python Associate Programmer for AI and ML** certification from **Information Technology University (ITU)**
- **Data Analysis with Python** course from **Cognitive class.ai**

***Honors & Awards*** Won Best Performer Award on NaSCon 17

***Skills & Tools*** Python, C++, PHP, ASP .NET (MVC 5 Framework), MySQL, SQL Server, Visual Studio, NetBeans, Eclipse, Jupyter Notebook, Spyder, VScode, Google colab, Gitlab, Amazon Web Services(AWS), Dockers