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# IMTIAZ ALI

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## Objective

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To learn from a progressive organization that would give me the opportunity to utilize my skills, develop new skills and expand my knowledge and capabilities.

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## Education

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❖ 2016 – 2020

**BS(CS) FAST NUCES**

**CGPA: 3.17**

❖ 2014 - 2016

Intermediate, Govt. degree college.

Grade: A

❖ 2012 -2014

Matriculation, YPS school.

Grade: A

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## Technologies

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<b>JavaScript</b>	<ul style="list-style-type: none"><li>• React</li><li>• React Native</li><li>• NodeJS</li><li>• DOM, Express.</li></ul>	<b>C#</b>	<ul style="list-style-type: none"><li>• Desktop Application</li><li>• Windows Service, WCF services.</li><li>• WEB API, ADO.net.</li></ul>
<b>Python</b>	<ul style="list-style-type: none"><li>• Desktop Applications, TKinter</li><li>• <b>Libraries</b> - Pandas, Matplotlib, Sklearn, Numpy, Seaborn, Tweepy.</li></ul>	<b>C/C++</b>	<ul style="list-style-type: none"><li>• Desktop Applications</li><li>• High Performance Programs</li></ul>
<b>SQL, Mongo dB, Firebase</b>	<ul style="list-style-type: none"><li>• Query Formation</li><li>• Database Design</li><li>• Normalization</li></ul>	<b>JAVA</b>	<ul style="list-style-type: none"><li>• Desktop Application</li><li>• Application Programs</li></ul>

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## Skills

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- Problem Solving
- Database Design
- Object Oriented Programming
- Mobile & Web Application
- Applied Data Science

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## Concepts

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Object Oriented Programming, Data Structure, Operating System, Database, Object Oriented Analysis, Artificial Intelligence, Information Retrieval, Computer Networks, Software Engineering, Information Security, Human Computer Interaction, Data Science.

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## Project

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- ✓ **The Whole Sale Bazaar (Final Year Project):**
  - Mobile and Web platform for Retailers and Wholesaler to help the new comers and existing community boost their profits and customers.
    - Experience:
      - Hands on Software process (Requirement Gathering to Testing)
      - Creating and using web API's.
      - Working with Mobile and Web Application.
    - Technologies use: React Native, Nodejs, Firebase.
- ✓ **News Reading App:**
  - News reading mobile application with content-based news recommendation
    - Technologies used: - React Native, .Net web API, Microsoft SQL
- ✓ **Vector Space Model (Information Retrieval):**
  - Developed the vector space model in which we rank the document based on the similarities between the terms in a document and user query.
    - Technologies used: - Python, Pandas, Numpy.
- ✓ **DataSeed:**

- Web platform for purchase and sell of data resource.
  - Technologies used: - Nodejs, Express, MongoDB, EJS, HTML, CSS, Bootstrap, AWS cloud9
- ✓ **Shops Around Me Web Application:**
  - Web application to connect customers with nearest shop providing particular product.
    - Technologies used: - Nodejs, Express, MongoDB, EJS, HTML, CSS, Bootstrap, AWS cloud9
- ✓ **Reliable Data Transfer RDT 3.0 Protocol (Computer Networks):**
  - Implemented the reliable data transfer protocol 3.0, in which we ensure that the data passing between sender and receiver is reliable without any error. Additionally, the retransmitting of the data in the case of packet loss or late acknowledgment.
    - Technologies used: - JAVA
- ✓ **Yelp Camp Application:**
  - Nodejs web application to upload images.
    - Technologies used: - Nodejs, Express, MongoDB, EJS, HTML, CSS, Bootstrap.
- ✓ **Mail Service:**
  - Implemented Automated Mail Sender that sends mails to clients after every 15 minutes.
    - Technologies used: - C#, Windows Service, Mail Sender
- ✓ **Crime Record Management System:**
  - Record management with better query processing and efficient database design.
    - Technologies used: - JAVA, SQL.
- ✓ **Railway Reservation System:**
  - Reservation ERP with object-oriented programming in C++.
    - Technologies used: C++, OOP
- ✓ **Twitter Sentimental Analysis:**
  - Extracted and evaluated the tweets sentiment to help industries make decisions about products.
    - Technologies used: Python
- ✓ **CV Matching:**
  - Using KMean clustering grouped the resumes based on job description.
    - Technologies used: Python

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## Experience

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- Teaching Assistant @ FAST NUCES – (September 2019 – February 2020)
  - ❖ Assigned as TA of Design Analysis and Algorithm course.

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## Workshops

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1. **Data Science and Machine Learning - Daraz.pk**
  - a. Application of Data Science in industries and ecommerce.
2. **Object-Oriented Programming -Contour**
  - a. Pillars of object-oriented programming and Software Design.
3. **Securiti.AI Team**
  - a. AI in the field of communication and call centers.

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## Certifications

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- IBM certificate for course **What is data science?** on Coursera.
- IBM certificate for course **Open Source tools for data science** Coursera.
- Intel® Edge AI Scholarship Foundation Course Nanodegree Program Udacity.
- Cleaning Data in Python, Certificate by DataCamp.
- Supervised Learning with Scikit-learn Certificate by Datacamp.

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## Interests

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| • Software Development | • Mobile Application | • Data Science | • Web Application | • Artificial Intelligence |
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