Ali

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Software Engineer

I am 23 years old. I am recently completed my degree of Bachelors of Science in Software Engineering. During my degree I have learned a lot of software development process skills of Designing, Management, Development, Security etc. I believe that in computer science field your actual learning comes from implementation. I take a lot of workshops on J2EE, Tensor Flow and IOT. My strength is Java development. I develop a lot of projects as well as products in Java during my degree.

My area of interest are

1. Data Science
2. Artificial Intelligence
3. Web development
4. Java Programing

Strengths & Skills

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| --- | --- | --- |
| ✔ Software Quality Assurance (QA) Engineer | ✔ Smart Enviourements implementation (IOT) | ✔ Java Web Development Using J2EE |
| ✔ Java Desktop Application Development (Java | ✔ Agular JS | ✔ Database Implementation ( MySQL) |
| SE) |  |  |
| ✔ Database Implementation (SQLite ) | ✔ JQuery | ✔ CSS |
| ✔ HTML | ✔ JavaScript | ✔ Object-Oriented Programming (OOP) |
| ✔ Design Patterns | ✔ Object oriented skills | ✔ JAVA FX (Rich Internet Application |
|  |  | Development) |
| ✔ Artificial Intelligence Algorithms | ✔ Machine Learning Algorithms | ✔ Matlab Programing ( Computer Vision) |
| ✔ Requirement Engineering | ✔ Software Development Life Cycle Models | ✔ Project Management |
| ✔ Android Developer | ✔ Java Hibernate |  |

Academics



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| --- | --- | --- | --- |
| **Title** | **Institute** | **Score** | **Date** |
| Bachelors Of Science In Software Engineering | University of Management & Technology | 3.6 CGPA | 2017 |
|  | (UMT), Lahore |  |  |
| Fsc Pre Medical | Sir Syed College, Chichawatni | 66% | 2012 |
| Matric | Sir Syed College, Chichawatni | 94% | 2010 |

Certifications



|  |  |  |
| --- | --- | --- |
| **Title** | **Authority** | **Date** |
| J2EE | UMT | Starting September 2016 |
| Arduino Programing | UMT | Starting September 2016 |

Experience

Company Designation Duration

SKIF Enterprises (Private) Ltd Web Developer Mar 2015 - Jun 2015 **3 months**

Work History



**SKIF Enterprises (Private) Ltd** **Mar 2015 - Jun 2015 (3 months)**

**Web Developer** **Lahore, Pakistan**

I do an internship in SKIF. I work with web development team and work on the different CMS projects. Working Environment

We follow the agile methodology in the development of final year project. I learned a lot of things like 1: How to extract requirements from that person other than IT



1. Requirement Management
2. Identification of Use Cases from requirements.
3. Extract Database Entities from Use Cases.

**Techniques:**

1) Java J2EE, Inheritance, Encapsulation, SQL Injection prevention, Input Validation, Design Patterns ,Java Serve let, 7 Layers Architecture, JSP ,Html,Css,JavaScript,JQyery, Oracle Database

**Achievement:**

I make more clients with my skills.

CEO give me the 50000 Rs for my hard work and honesty.

**Other Work beside internship:**

I do a lot of market project during my degree. These projects help me to improve my skills and work. a lot of things learn from these projects which i cannot learn from studies.

Projects



**Credit Card Fraud Detection (Using HMM)**

**Company**: UMT / UMT

**Tools**: NetBeans

**Process**

1. Cleaning transaction data
2. Make clutters of the previous transactions data of the user using Means Clustering. Number of Cluster decides on runtime.
3. Generate patterns of those cluster.



**Online School Management**

**Company**: UMT

**Tools**: NetBeans, MySQL Server

**Technologies:** Java Servlet, JSP pages, Html, Css, JavaScript, JQuery, Oracle Database

**Modules:** Admission Management, Results Management, Accounts Management, Fee Management and Reports Generation.

**Description:**

This software is designed for the Sir Syed School to maintain their student’s record. This application help the management to do their work more and more easy. This application handle multiple users at same time. Three type of users can access it.

1. Admin
2. Faculty
3. Students

Student can chat with their teachers and resolve their Queries with this application.



**Food Planet management System**

**Company**: Food Planet / Ch Huzaifa Salman

**Tools**: NetBeans

Technologies: Java SE, SQLite Database

Modules: Accounts, Employee Shifts, Material Management



**JHMS (Final Year Project)** **Jan 2016 - Dec 2016 (11 months)**

**Company**: Jamiat Hospital Management Product / Abdul Shamad shamsi

**Tools**: Eclipse & SQLite Manager

I follow the agile methodology in the development of final year project. I learned a lot of things like

1. How to extract requirements from that person other than IT.
2. Requirement Management
3. Identification of Use Cases from requirements.
4. Extract Database Entities from Use Cases.

**Techniques:**

1) Java SE, Inheritance, Encapsulation, SQL Injection prevention, Input Validation, Design Patterns etc.

**Modules:** OPD, IPD, Accounts, Employee Management, Heads Management, Donation Management, Rooms Management, Shifts Management, User AccessManagement.



This software is built for jamiat hospital. This software handle both outdoor patient’s record as well as indoor patient’s data. This software generate following reports.

1. Employee Shifts closing reports.
2. User vice reports.
3. Doctors vice reports.
4. Hospital heads vice reports.



**Sentiment Analysis of Dawn News**

**Company**: UMT / Sir Shahid Awan

**Tools**: R Studio

R Language, RTextTool library

I do the sentiment analysis of dawn news and evaluate that which news has how much positivity and negativity.



**MPS (Media Player Simulator)**

**Company**: UMT / Sir Hassan Maqbool

**Tools**: Visual Studio

Techniques: C++, Data Structures (Stack, Queue, Singly Link List, Doubly Link List, Circular Link List, BST)

Features:

This is my semester project. In this project i implement all the media player features in above data structures. Like addition of songs in playlist, play songs, Search songs etc.



**Kids Learning APP**

**Company**: UMT / Sir Syed Farooq Ali

**Tools**: Android Studio

Alphabets Learning, Know Animals, Numbers Learning, Quizzes



**School Management Product**

**Company**: Sir Syed School System / Ch Huzaifa Salman

**Tools**: Eclipse, MySQL Server

**Modules:**

Admission Management, Results Management, Accounts Management, Fee Management

This software help the organization to maintain their student data like their results, Test Reports, attendance and each data is accessible on just few clicks to the staff.



**Blood Donation Management**

**Company**: UMT

**Tools**: Eclipse

**Technologies:** Java SE, Oracle Database



**Local Events Web Portal**

**Company**: UMT / UMT

**Tools**: NetBeans

**Technologies:**

J2EE, Java Servlet, 7 Layers Architecture, JSP, Html, Css, JavaScript, JQuery, Oracle Database

**Features:**

Events Rating, Events Uploading, Events Searching, Recommendation, Audience Estimation.

This platform help people to find the events around him or any city and also post his/her event on this platform

Awards



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| --- | --- | --- | --- | --- |
| Title | Authority | Date | |  |
| Dean Award | SST Dean UMT | 2015 |  |  |
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Functional Area



1. Java Programing
2. Software Quality and Assurance
3. Web Development J2EE
4. Database development

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| --- | --- | --- |
| Languages | Hobbies |  |
| Urdu - Native | Cricket |  |
| English - Medium | Research paper readings |  |
| Arabic - Beginner |  |  |
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