

Sehresh Mehboob

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Technical Skills Likes: Software/Computer-systems-Engineer, Business-Intelligence, Business/Big-data-analyst, Python/java/database, and Web developer.

Experience Computer/ Software Engineer – Freelance Work Jan 2014 → Current

Performing project management tasks in order to achieve all of the project goals within the given constraints. Working on Tableau. I did data visualization in Tableau, handle large amounts of data through Tableau. Creating reports, data analysis and data visualization. Collecting useful information through data analysis. Making graphical representation of information and data through data visualization tools.

I did data blending and creating dashboard in Tableau to make beautiful data visualizations. Working on HTML 5, CSS 3, Python and JavaScript programming.

Visit My-Portfolio-Website on the following link:

<https://qptnmjafveb7zyziegzohg.on.driv.tw/www.sehreshmehboobportfolio.com/>

Education

Machine Learning Specialization – Stanford University 2023

In the year 2023, I have completed Stanford University “Machine Learning” specialization program on Coursera. There are three courses in this specialization program, first course is “Supervised Machine Learning: Regression and Classification”, second course is “Advanced Learning Algorithms”, and the last course is “Unsupervised Learning, Recommenders, Reinforcement Learning”.

Stanford University Machine Learning Specialization Certificate Link:

<https://www.coursera.org/account/accomplishments/specialization/certificate/KEUKEYRY2WU>

Cybersecurity Analyst Specialization – IBM 2023

In the year 2023, I have completed IBM “Cybersecurity Analyst Professional Certificate” specialization program on Coursera. There are eight courses in this specialization program, First course is “Introduction to Cybersecurity Tools & Cyber Attacks”, second course is “Cybersecurity Roles, Processes & Operating System Security”, third course is “Cybersecurity Compliance Framework & System Administration”, fourth course is “Network Security & Database Vulnerabilities”, fifth course is “Penetration Testing, Incident Response and Forensics”, sixth course is “Cyber Threat Intelligence”, seventh course is “Cybersecurity Capstone: Breach Response Case Studies” and the last course is “IBM Cybersecurity Analyst Assessment”.

IBM Cybersecurity Analyst Specialization Certificate Link:

https://www.credly.com/badges/b2a9d853-4679-44b8-904a-2cd89a5e1c4c/linked_in_profile

Data Analytics Specialization –Google 2021

In the year 2021, I have completed Google “Data Analytics Professional Certificate” specialization program on Coursera. There are eight courses in this specialization program, First course is “Foundations: Data, Data, Everywhere”, second course is “Ask Questions to Make Data-Driven Decisions”, third course is “Prepare Data for Exploration”, fourth course is “Process Data from Dirty to Clean”, fifth course is “Analyze Data to Answer Questions”, sixth course is Share Data Through the Art of

Visualization”, seventh course is “Data Analysis with R Programming” and the last course is “Google Data Analytics Capstone: Complete a Case Study”.

Google Data Analytics Specialization Certificate Link:

https://www.credly.com/badges/7a721f83-fd0c-4adf-a470-f177b8311a5c/linked_in_profile

Master of Engineering in Computer Systems – NED University of Engineering and Technology 2014 → 2016

In my master, I have learned following courses: Artificial Intelligence, Distributed Computer System, Current topics in Computer Systems, Routing and switching, Advanced Operating System, Computer Architecture, VLSI, DSP, APP. In the course of Artificial Intelligence, I have also learned about Machine learning, Data mining, Data Analysis and Business Intelligence. I have completed different tasks of data mining projects in order to convert large data to a small dataset and I have also completed business intelligence projects in order to analyze data and present actionable information.

Bachelor of Engineering in Computer Systems – Hamdard University, Karachi Jul 2009 → Jul 2013

I have completed my B.E in Computer Systems from UIT, Hamdard university, Karachi, Pakistan. In that university, I learned a lot of programming during my bachelor’s degree by taking courses such as Database and management systems, Data Structures and algorithms, C++, Software Engineering methods, Embedded Systems, Network Analysis, Object Oriented Programming and AutoCAD.

Projects: In course “Database and management systems”, I have completed different tasks of forming tables, reports and queries on PL/SQL and access database. During the course study of data structures and algorithms, I have completed different tasks of algorithm analysis, searching and sorting of algorithms, arrays, linked lists, binary trees algorithms, hash tables, graphs, stacks, queues and other structures. C++ is a compiled language, and its implementations is available on many platforms, I have completed many tasks of C++ and Object-oriented programming, completed programming structures using compound data types and functions, classes, inheritance, polymorphism, data abstraction. During the course study of Embedded Systems course, I have completed projects to burn “C++” code on a microcontroller chip. In Network analysis course, I have completed mathematical analysis of complex working procedures in terms of a network of related activities, I have completed different tasks of routing and switching network topologies through “Packet Tracer”, Packet Tracer allows to design complex and large networks. During the course of AutoCAD, I have completed tasks of 2D and 3D structures of airplane, shark fish, table, chair, houses, burger, earrings, bracelets and High heel shoes, piece of pipeline, cars, school bags, purses and Jinnah international airport.

Projects

Data-Blending-Data-Analysis-and-Data-Visualization-Project-in-Tableau:

Jul 2016 - 2023

I have completed various Tableau projects. One of my favorite Tableau project is "Data-Blending, Data-Analysis and Data-Visualization". In this project, I did data Analysis on Dataset 1 and Dataset 2. Providing Data Visualizations on Dataset 1 and Dataset 2. I did Data-Blending from Dataset 1 and Dataset 2. Analyzing Nutrition values and calories consumption of daily meals over period of times.

Project Link: <https://github.com/sehresh92/Data-Blending-Data-Analysis-and-Data-Visualization-in-Tableau>

My-Portfolio-Website-Project in HTML5, CSS3 and JavaScript:

2023

I have completed various HTML5, CSS3 and JavaScript projects. One of my favorite HTML5, CSS3 and JavaScript project is "My Portfolio Website". It is a Portfolio Website Using HTML5, CSS3 and JavaScript. It is a Complete Responsive Website Design.

It has five main sections. First is a header or home section. When you open this Portfolio Website then you will see the header or home section. When you click on about section then it will open the "about me" details. In the "about me" there are three more sections, 1st is "Skills" section, 2nd is "Projects" section and 3rd is "Education" section. In the about section, you can see 1st is "Skills" section when you will click on "Projects" section then it will open my "Projects" details and when you will click

on "Education" section then it will show you my education details. When you click on "services" section then it will show you "My Services". When you click on "Portfolio" section then it will show you "My Work" details and finally When you click on "Contact" section then it will show you Contact Me form.

Project Link: <https://github.com/sehresh92/My-Portfolio-Website-Project>

Hospital and Health Care Management System Project in Java

Jul 2016 - Nov 2022

I have completed various java-based projects. This is my Java based Project "Hospital-and-Health-Care-Management-System". It contains the doctor-patient table with all records. for example, Doctor name, Timing, speciality, and availability. First this project will show you the main menu. In the main menu, It will show you six tables. In this project, I have created six tables. 1st table name is "DOCTOR SECTION", 2nd table name is "PATIENT SECTION", 3rd table name is "MEDICINE SECTION", 4th table name is "LABORATORY SECTION", 5th table name is "HOSPITAL FACILITY SECTION" and 6th table name is "STAFF SECTION". I have already saved some data in each table. For example, In this project when you will select "1" for doctor table then it will show you two options: "1" is "Add New Entry" and "2" is "Existing Doctors List" Now, If you will click on "1" then you can Add New Entry and if you will click on "2" then it will show you Existing Doctors List. This is my complete Hospital and Health Care Management System Project in Java with source code and pictures. This project is very interesting. So, now you can download it, run it on your computer and you can able to modify it. Project Link:

<https://github.com/sehresh92/Hospital-and-Health-Care-Management-System-Project-in-Java>

Car Game Project (Coding in Java)

Jan 2016 - Jan 2022

I have completed various java based game projects. One of my favorite project name is "Car Game Project in Java. In this game, You have to control the orange car from colliding with other cars. This game consists of single level. First, download the project and extract it. When you are done extracting the folder, make sure you have your JDK set up to correct path. When you run the game, you will see your car moving on the road. You can select the start button to play the game. You cannot select different variety of cars to go into the race. Your arrows are the controller for this game. You have to just press the arrows to the adjacent sides to switch over the side. So that you prevent yourself from hitting the other objects and cars. This is my complete Car game project in Java with source code and pictures. This game is very much fun and interesting to play. So, Now you can download it, run it on your computer and you can able to modify it. Project Link:

<https://github.com/sehresh92/Car-Game-Project-in-Java>

Data Structures in Python

Jan 2019 - Dec 2021

I am working on Python programming. I have completed various Python programming Projects. I have completed "Data Structures" in Python. You can check my "Data Structures" projects in Python provided in the link.

<https://github.com/sehresh92/Python-projects>

A Database "Student Registration System"

I am working on Database Projects. I have completed various Database projects. One of my favorite project name is "Student Registration System". It is a form. It has two tables, two forms and two reports. 1st table name is courses and 2nd table name is student. 1st form name is courses and 2nd form name is student. 1st report name is courses and 2nd report name is student report. Project Link:

<https://github.com/sehresh92/Student-Registration-System>

Data mining, Artificial Intelligence and Business Intelligence Projects and forming binary tree algorithms.

2014 - 2018

Conversion of large data to small datasets, Working on Rapid Miner forming binary tree algorithms and on the completion of business intelligence projects, data analysis and presentation of actionable information provides a complete guide to executives, managers and other corporate end users which helps them to make informed business decisions. Data Mining Project Link:

<https://github.com/sehresh92/Data-Mining-Project>

Biometric Security System – final year Project

2012 - 2013

coding-on-C++

My final year project in bachelors was “Biometric Security System” implementing a fingerprint detection System through microcontroller by burning “C++” code on a Microcontroller chip. Microcontroller, LCD, KEYPAD,

Buzzer, LED, fingerprint module, relay, step down transformer, capacitors, transistors, switches, wires, crystal of 11.9 HZ frequency, EEPROM are the hardware components which was used in my FYP project. I worked on the C++

code for the microcontroller in this project. So according to the C++ code when this project runs then

Microcontroller will verify digital code which comes from fingerprint module if it is correct or not, if it is correct then it will take second input from fingerprint module and verify it into microcontroller memory if it is correct then it will show on LCD it is verified and lock will be open, while in not condition it shows on the LCD that it is not verified, buzzer will give the sound (beep) and lock will remain close. It can store nearly 900 fingers data. It can be used in banks, companies, homes and many more places. It is small in size and implements good security for accessing the security zone.

The Source Code of Biometric Security System in C++ is provided in the link.

<https://github.com/sehresh92/Arduino-Fingerprint-Door-Lock-System>

3D AutoCAD projects

2010 - 2012

Developer and designer: AUTOCAD provides 2D and 3D image view of the project. I have completed various AUTOCAD projects. One of my favorite project name is "2D and 3D Big House Project". you can check my 2D and 3D AUTOCAD Projects in the form of screenshots provided in the link.

<https://github.com/sehresh92/AUTOCAD-Projects->

View My “Credly Digital Badges” (My Verified Digital Credentials Badges Links):

IBM Cybersecurity Analyst Specialization badges links:

Introduction to Cybersecurity Tools & Cyber Attacks (badge) link:

https://www.credly.com/badges/3957dcbd-0ca1-4916-b7a0-90c9e2c0df85/linked_in_profile

Cybersecurity Roles, Processes & Operating System Security (badge) link:

https://www.credly.com/badges/ea7e0161-ae93-42fe-8c1e-75ffaacebb33/linked_in_profile

Cybersecurity Compliance Framework & System Administration (badge) link:

https://www.credly.com/badges/a3ff0ddd-2c6d-4da8-96cf-182e70e8ee67/linked_in_profile

Network Security & Database Vulnerabilities (Badge) link:

https://www.credly.com/badges/9ac9e7e0-f7a4-4799-b840-df55b486badc/linked_in_profile

Penetration Testing, Incident Response and Forensics (Badge) link:

https://www.credly.com/badges/d1601a77-07b0-42b1-a280-6215377faa02/linked_in_profile

Cyber Threat Intelligence (Badge) link:

https://www.credly.com/badges/9e25d958-3f3a-4425-8cfe-7771460128bb/linked_in_profile

Cybersecurity Breach Case Studies (Badge) link:

https://www.credly.com/badges/b7e167c6-a173-4691-9921-da45962d7123/linked_in_profile

IBM Cybersecurity Analyst Professional Certificate (Specialization Badge) link:

https://www.credly.com/badges/b2a9d853-4679-44b8-904a-2cd89a5e1c4c/linked_in_profile

Google Data Analytics Certificate (Specialization badge) link:

https://www.credly.com/badges/7a721f83-fd0c-4adf-a470-f177b8311a5c/linked_in_profile

Certifications

Study during 2023:

In the year 2023, I have completed Stanford University “Machine Learning” specialization program on Coursera. There are three courses in this specialization program.

first course “Supervised Machine Learning: Regression and Classification” Certificate link:

<https://www.coursera.org/account/accomplishments/certificate/NT4QS6NEKTG5>

second course “Advanced Learning Algorithms” Certificate link:

<https://www.coursera.org/account/accomplishments/certificate/BJ995KKRATZV>

last course “Unsupervised Learning, Recommenders, Reinforcement Learning” Certificate link:

<https://www.coursera.org/account/accomplishments/certificate/HF68AD7A4XBG>

Stanford University Machine Learning Specialization Certificate Link:

<https://www.coursera.org/account/accomplishments/specialization/certificate/KEUKEYRYY2WU>

In the year 2023, I have also completed IBM “Cybersecurity Analyst Professional Certificate” specialization program on Coursera. There are eight courses in this specialization program.

First course “Introduction to Cybersecurity Tools & Cyber Attacks” Certificate Link:

<https://www.coursera.org/account/accomplishments/certificate/YX7HWXYBSPDJ>

second course “Cybersecurity Roles, Processes & Operating System Security” Certificate Link:

<https://www.coursera.org/account/accomplishments/certificate/STUFMGBZVLE6>

third course "Cybersecurity Compliance Framework & System Administration" Certificate Link:

<https://www.coursera.org/account/accomplishments/certificate/EF3KLGUANW5>

fourth course "Network Security & Database Vulnerabilities" Certificate Link:

<https://www.coursera.org/account/accomplishments/certificate/9W77S23K5A9R>

fifth course "Penetration Testing, Incident Response and Forensics" Certificate Link:

<https://www.coursera.org/account/accomplishments/certificate/VA5NDH3DCQVY>

sixth course "Cyber Threat Intelligence" Certificate Link:

<https://www.coursera.org/account/accomplishments/certificate/58HNEKKVZCCJ>

seventh course "Cybersecurity Capstone: Breach Response Case Studies" Certificate Link:

<https://www.coursera.org/account/accomplishments/certificate/6PZ4W5SDDN9R>

last course "IBM Cybersecurity Analyst Assessment" Certificate Link:

<https://www.coursera.org/account/accomplishments/certificate/C8EVDAYQTFQS>

IBM Cybersecurity Analyst Specialization Certificate Link:

https://www.credly.com/badges/b2a9d853-4679-44b8-904a-2cd89a5e1c4c/linked_in_profile

In the year 2023, I have completed a course "Church Administration Theology and Time Management" from Duke University.

course "Church Administration Theology and Time Management" Certificate Link:

<https://www.coursera.org/account/accomplishments/certificate/WX2UF8WPS2QZ>

Study during 2021:

In the year 2021, I have completed Google "Data Analytics Professional Certificate" specialization program on Coursera. There are eight courses in this specialization program.

1st course "Foundations: Data, Data, Everywhere" Certificate link:

<https://www.coursera.org/account/accomplishments/certificate/LASXNBBNDK3S>

second course "Ask Questions to Make Data-Driven Decisions" Certificate link:

<https://www.coursera.org/account/accomplishments/certificate/EEK99VD7H7BC>

third course "Prepare Data for Exploration" Certificate link:

<https://www.coursera.org/account/accomplishments/certificate/UMYT5M2S2TAG>

fourth course "Process Data from Dirty to Clean" Certificate link:

<https://www.coursera.org/account/accomplishments/certificate/K8HPLTL3RVWB>

fifth course "Analyze Data to Answer Questions" Certificate link:

<https://www.coursera.org/account/accomplishments/certificate/RRPGPVF7RNPB>

sixth course "Share Data Through the Art of Visualization" Certificate link:

<https://www.coursera.org/account/accomplishments/certificate/DYU8Z78NKVRJ>

seventh course “Data Analysis with R Programming” Certificate link:

<https://www.coursera.org/account/accomplishments/certificate/NHMN5RLK2R5L>

last course “Google Data Analytics Capstone: Complete a Case Study” Certificate link:

<https://www.coursera.org/account/accomplishments/certificate/7CR9345XMJEF>

Google Data Analytics Specialization Certificate Link:

<https://www.coursera.org/account/accomplishments/specialization/certificate/XT66CJCCVNTN>

Google Data Analytics Certificate (Specialization badge) link:

https://www.credly.com/badges/7a721f83-fd0c-4adf-a470-f177b8311a5c/linked_in_profile

Study during Lockdown in Karachi:

In the year 2020, During Lockdown in Karachi I have successfully completed 32 international courses on Coursera.

Course name: Astronomy: Exploring Time and Space from University of Arizona – Jul 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/Y4RHR3KVNE4V>

course name: Disaster Preparedness from University of Pittsburgh – Jul 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/HYSSSFCLM7EE>

course name: How to Write and Publish a Scientific Paper (Project-Centered Course) from École Polytechnique – Jun 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/RP7L4J42K33M>

course name: Think Again I: How to Understand Arguments from Duke University – Jun 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/CB3Z3XEN9LJA>

course name: Healing with the Arts from University of Florida – Jun 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/6EHDPR7MZTMX>

course name: The Language of Design: Form and Meaning from California Institute of the Arts – Jun 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/CN3BCCZB2YDB>

course name: Mindshift: Break Through Obstacles to Learning and Discover Your Hidden Potential from McMaster University Jun 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/4AHMJ7YKDZBB>

course name: Science of Exercise from University of Colorado Boulder – Jun 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/G83FHUNUWMRU>

course name: How to Get Skilled: Introduction to Individual Skills Management (Project-Centered Course) from The State University of New York Jun 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/YLBZMY2ACAGB>

course name: Developing AI Applications on Azure from LearnQuest – Jun 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/GDWV578768Y8>

course name: Introduction to Personal Branding from University of Virginia – Jun 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/LAG3V5BGNNZE>

course name: Creative Problem Solving from University of Minnesota – Jun 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/5B6BGDJBW7Y4>

course name: Design: Creation of Artifacts in Society from University of Pennsylvania – Jun 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/8KQTC4LSUU33>

course name: How to Write a Resume «Project-Centered Course» from The State University of New York – May 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/5VK6EJD28ZNG>

course name: Teamwork Skills: Communicating Effectively in Groups from University of Colorado Boulder – May 2020 → Current.

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/ANV6W9BNKRG9>

course name: Creative Thinking: Techniques and Tools for Success from Imperial College London – May 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/NNZFRZU9DS3K>

course name: Communication Strategies for a Virtual Age from University of Toronto – May 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/EYH2LHTZD67P>

course name: Google Cloud Platform Fundamentals for AWS Professionals from Google Cloud – May 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/P5VDB7SBQ9AL>

course name: Industrial IoT on Google Cloud Platform from Google Cloud – May 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/48RGBBTSQD23>

course name: The Strategy of Content Marketing from University of California – May 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/V43J55CSP8Q2>

course name: Successful Career Development from University System of Georgia – May 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/A42C7V5LHES4>

course name: New Models of Business in Society from University of Virginia – May 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/VJ76MH9N9A5Z>

course name: Tricky American English Pronunciation from University of California – May 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/FXSSPEGP8MFR>

course name: The Science of Success: What Researchers Know that You Should Know from University of Michigan May 2020 → Current.

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/R4LN6TX9A2PA>

course name: Cloud Computing Basics «Cloud 101» from Learn Quest – Apr 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/3BKVY7EXWJVA>

course name: Converting Challenges into Opportunities from University of California San Diego – Apr 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/GUTGQYBRRDSM>

course name: Introduction to Cloud Identity from Google Cloud – Apr 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/GYSYP2BXE2JV>

course name: Introduction to Sustainability from University of Illinois at Urbana-Champaign – Apr 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/CQVFLCUXKQGB>

course name: Machine Learning for Business Professionals from Google Cloud – Apr 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/FTGJXCHYTYTX>

course name: Marketing Analytics from University of Virginia – Apr 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/CR6FWZBNMJBQ>

course name: Data Science Math Skills from Duke University – Apr 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/KQ5DAE8G2SNR>

course name: Getting Started with AWS Machine Learning from Amazon Web Services – Apr 2020 → Current

Certificate Link: <https://www.coursera.org/account/accomplishments/certificate/MZV7SVVGFEXN>
