Sehresh Mehboob

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Technical Skills

Likes: software/computer-systems-engineer, business-intelligence, Business-data-analyst, Big-data-analyst, Python/java/database 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 Java programming.

Education

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 programing 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

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-

Certifications

Google Data Analytics Specialization – Sep 2021 → Current

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

Analyze Data to Answer Questions from Google Data Analytics professional certificates – Sep 2021 → Current

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

Data Analysis with R Programming from Google Data Analytics professional certificates – Aug 2021 → Current

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

Share Data Through the Art of Visualization from Google Data Analytics professional certificates –Aug 2021 → Current

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

Process Data from Dirty to Clean from Google Data Analytics professional certificates – Aug 2021 → Current

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

Google Data Analytics Capstone: Complete a Case Study – Jul 2021 → Current

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

Prepare Data for Exploration from Google Data Analytics professional certificates – Jul 2021 → Current

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

Ask Questions to Make Data-Driven Decisions from Google Data Analytics professional certificates Jul 2021 → Current – https://www.coursera.org/account/accomplishments/certificate/EEK99VD7H7BC

Foundations: Data, Data, Everywhere from Google Data Analytics professional certificates – Jun 2021 → Current

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

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

https://www.coursera.org/account/accomplishments/certificate/Y4RHR3KVNE4V

Disaster Preparedness from University of Pittsburgh – Jul 2020 → Current

https://www.coursera.org/account/accomplishments/certificate/HYSSSFCLM7EE

How to Write and Publish a Scientific Paper ⧼Project-Centered Course⧽ from École Polytechnique – Jun 2020 → Current

https://www.coursera.org/account/accomplishments/certificate/RP7L4J42K33M

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

https://www.coursera.org/account/accomplishments/certificate/CB3Z3XEN9LJA

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

https://www.coursera.org/account/accomplishments/certificate/6EHDPR7MZTMX

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

https://www.coursera.org/account/accomplishments/certificate/CN3BCCZB2YDB

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

– https://www.coursera.org/account/accomplishments/certificate/4AHMJ7YKDZBB

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

https://www.coursera.org/account/accomplishments/certificate/G83FHUNUWMRU

How to Get Skilled: Introduction to Individual Skills Management ⧼Project-Centered Course⧽ from The State University of New York Jun 2020 → Current – https://www.coursera.org/account/accomplishments/certificate/YLBZMY2ACAGB

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

https://www.coursera.org/account/accomplishments/certificate/GDWV578768Y8

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

https://www.coursera.org/account/accomplishments/certificate/LAG3V5BGNNZE

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

https://www.coursera.org/account/accomplishments/certificate/5B6BGDJBW7Y4

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

https://www.coursera.org/account/accomplishments/certificate/8KQTC4LSUU33

How to Write a Resume ⧼Project-Centered Course⧽ from The State University of New York – May 2020 → Current

https://www.coursera.org/account/accomplishments/certificate/5VK6EJD28ZNG

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

https://www.coursera.org/account/accomplishments/certificate/ANV6W9BNKRG9

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

https://www.coursera.org/account/accomplishments/certificate/NNZFRZU9DS3K

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

https://www.coursera.org/account/accomplishments/certificate/EYH2LHTZD67P

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

https://www.coursera.org/account/accomplishments/certificate/P5VDB7SBQ9AL

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

https://www.coursera.org/account/accomplishments/certificate/48RGBBTSQD23

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

https://www.coursera.org/account/accomplishments/certificate/V43J55CSP8Q2

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

https://www.coursera.org/account/accomplishments/certificate/A42C7V5LHES4

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

https://www.coursera.org/account/accomplishments/certificate/VJ76MH9N9A5Z

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

https://www.coursera.org/account/accomplishments/certificate/FXSSPEGP8MFR

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

– https://www.coursera.org/account/accomplishments/certificate/R4LN6TX9A2PA

Cloud Computing Basics ⟨Cloud 101⟩ from Learn Quest – Apr 2020 → Current

https://www.coursera.org/account/accomplishments/certificate/3BKVY7EXWJVA

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

https://www.coursera.org/account/accomplishments/certificate/GUTGQYBRRDSM

Introduction to Cloud Identity from Google Cloud – Apr 2020 → Current

https://www.coursera.org/account/accomplishments/certificate/GYSYP2BXE2JV

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

https://www.coursera.org/account/accomplishments/certificate/CQVFLCUXKQGB

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

https://www.coursera.org/account/accomplishments/certificate/FTGJXCHYTYTX

Marketing Analytics from University of Virginia – Apr 2020 → Current

https://www.coursera.org/account/accomplishments/certificate/CR6FWZBNMJBQ

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

https://www.coursera.org/account/accomplishments/certificate/KQ5DAE8G2SNR

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

https://www.coursera.org/account/accomplishments/certificate/MZV7SVVGFEXN