



# SUJATA MISHRA

PGDIT / MCA | SoftwareTester | .NET DEVELOPER| JAVA DEVELOPER |

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## SOFTWARE PROFICIENCY

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→ SpringBoot	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	→ Javascript	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	→ Python	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	→ Asp.NET	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>
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→ BootStrap	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	→ HTML	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	→ PowerBI	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	→ .NET CORE	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>

## Projects Handled

### JAVA Projects (FullyRemote Working)

PurpleGrad *Jan 2022 - till date, PUNE*

- Address
- Network Administrative Tool
- Online Exam
- Banking System

### Project Address Book Software(Team Member):*(Jan' 2022-Mar'2022)*

#### Responsibilities:

- Collaborated with team members to discuss and resolve show stoppers
- Prepared & shared the daily status report to the Team Leader.
- Successfully delivered the project deliverables
- Collaborated with team members to develop, identify and accomplish assigned goals and objectives.
- Updated senior leaders on progress and roadblocks.

#### Modules of the system.

- A single entity object representing the current address book that the program is working with (Address Book).
- An arbitrary number of entity objects, each representing one of the people that is in the current address book (Person).
- A boundary object representing the interface between the address book system and the human user (Address BookGUI).
- A boundary object representing the interface between the address book system and the file system on disk (FileSystem).
- A controller object that carries out the use cases in response to user gestures on the GUI (AddressBookController). (For a problem of this small size, a single controller is sufficient.)

#### The various use cases work with these objects, as follows:

- The Add a Person Use Case involves getting the new information from the user, and then telling the AddressBook object to add a new person with this information to its collection
- The Edit a Person Use Case involves displaying the current information about the desired person (obtained from the Address Book), then allowing the user to enter new information for the various fields, then telling the Address Book object to make the changes.
- The Delete a Person Use Case involves asking the user to confirm deletion, and then telling the Address Book object to remove this person from its collection.
- The Sort Entries by Name Use Case involves telling the Address Book object to rearrange its collection in order of name.
- The Sort Entries by ZIP Use Case involves telling the Address Book object to rearrange its collection in order of ZIP.
- The Create New Address Book Use Case involves creating a new Address Book object.
- The Open Existing Address Book Use Case involves getting a file specification from the user, and then telling the FileSystem object to read in an Address Book object from this file.
- The Save Address Book Use Case involves determining whether or not the current Address Book object has a file it was last read from / saved to; if so, telling the FileSystem object to save the current Address Book object to this file. (If not, the Save Address Book As ... Use Case is done instead.)
- The Save Address Book As ... Use Case involves getting a file specification from the user, and then telling the FileSystem object to save the current Address Book object to this file.
- The Print Address Book Use Case involves telling the Address Book object to print out its collection in order.

- (The Quit Program Use Case does not involve any of the other objects)
- (The Offer to Save Changes Extension may involve performing the Save Address Book Use Case.)

## **Project Online Banking Software(Team Member):** *(Apr' 2022-Jun'2022)*

Banking system is an application project, which demonstrates the very small customer side transaction management of banking systems. The whole project has two tools, one is front-end, and another is backend tool. SQL SERVER MANAGEMENT STUDIO 2014 comes under backend and JAVA comes under front-end tool. The crucial impression in the project is database communication using JDBC API and coding part is done using J2SE. Design jobs are completed using AWT, FRAME & EVENT. Database connection is made by using Type1 driver. The small application is developed to describe the interaction of the customer with the bank.

This project meets very small requirements of banking application which is the part of a vast bank application. This application enables some banking operations like (withdrawal, saving, balance enquiry, etc..).

### **Abstract of Project:**

This project aims at creating the environment of the banking system for the customer. This allows registered users (customers) of the system to do the transaction from his/her own account.

The entry page contains a login page for a user and a register button for new users. After the successful login into the account with the account details customer can be able to make transactions from the account. Transactions provided in the main page are "deposit", "withdraw", "balance inquiry", etc. The Withdrawal amount is less or equal than the balance amount then the user can withdraw the amount entered. When the user presses a balance inquiry, it shows the balance amount available in the account.

### **Steps to start off the Project:**

- Using Java Programming,SQL SERVER MANAGEMENT STUDIO 2014 database, JDBC connectivity,AWT, Event packages, Exception handling.

### **Requirements:**

#### **Hardware Requirements**

1. PC with 512 GB hard disk and 1GB RAM
2. Match Coprocessor: INTERNAL
3. Cache Memory: 128KB
4. Keyboard Type: 106 keys

#### **Software Requirements:**

1. Window 2010/11
2. SQL SERVER MANAGEMENT STUDIO 2014
3. JDK-21

## **Project Online Examination System Software(Team Member):** *(Jul' 2022-Sept'2022)*

Online examination system is an application project, which demonstrates the whole structure of our examination system. The whole project has two tools, one is front- end, and another is backend tool. SQL SERVER MANAGEMENT STUDIO 2014 comes under backend and JAVA comes under front-end tool. The whole project has two parts, one is the database part and another is the coding part. Database is done in oracle and coding is done in JAVA. Here codlings for design are mainly in AWT, FRAME & EVENT. Database connection is with JDBC Type4/Oracle driver. The entire project is prepared for the student and is governed by the administrator.

### **Abstract or Project:**

This project aims at creating an online examination pattern for an organization. This allows registered users of the system to give online exams for a specific amount of time. The home page contains a login page for a user. Then the page contains the different types of exam topics. Then the last page contains the result of the exam.

### **Functional Components of Project:**

There will be a login page available for each registered user.

- User must have to be registered before login.
- A user must have a user name and pass word.

The next page comes after successful login will be the topic page.

- There is no of topic available on which one user can give exam.
- The next page after choosing the topic will be the exam page.

Here no of questions are available having four no of option.

- Then an user have to choose correct option.
- Then exam will be for specific time and after time finishes the page will automatically vanishes.

The last page will be Result page.

- This page will shows % of mark optioned by an user.

### **Steps to Start-Off the Project:**

- Making Java Programming and SQL SERVER MANAGEMENT STUDIO 2014 database, JDBC connectivity.
- AWT, Event packages.
- Creating a test environment for testing.
- Doing thorough requirements analysis.

### **Requirements:**

## Hardware Requirements

1. PC with 2 GB hard disk and 512 mb RAM
2. Match Coprocessor: Internal
3. Cache Memory:128KB
4. Keyboard Type: 104 keys

## Software Requirements:

1. Window 2010/11
2. SQL SERVER MANAGEMENT STUDIO 2014
3. JDK -21

## Project Network Administrative Tool Software(Team Member): *(Oct' 2022-Dec'2022)*

Network Administrator Tool provides remote service to its entire client over the network. It acts as a network administrator to its client to provide remote services like remote shutdown, remote logoff, remote file transfer, remote desktop sharing and Remote Chatting.

### Modules:

#### 1. Remote control

Remote control module provides remote operation such as remote shutdown and remote logoff if request arrives from client. First it parses the request and provides service to its corresponding client. Remote control is an electronic device used for the remote operation of a machine.

#### 2. Remote File transfer

Remote file transfer module provides file transfer operation from server to the requested client. First receives the request and recognizes the file name, if the file exists in server transfers it otherwise sends a file not found error message. Remote File Transfer contains information for transferring files to the remote location. Remote file transfers are used to transfer files from the development environment to a server that can be installed locally or remotely. We can transfer files between two connected PCs and chat with the remote user. Transfer files and folders between local and remotely accessed computers.

#### 3. Remote Desktop Sharing

Remote Desktop Sharing module provides the administrators to gain access to remote Windows desktops in the network. It is a tool enabling access from anywhere in the network without requiring any native client. Administrators can directly access the remote system by sharing the requested system desktop. Desktop Sharing is a server application that allows sharing a current session with a user on another machine, who can use a client to view or even control the desktop. Desktop Sharing lets users call a remote computer to access its shared desktop and applications. With Desktop sharing we can operate our office computer from our home or vice versa.

#### 4. Remote Messaging

Remote Messaging is a small application that facilitates communication between different hosts on the same local area network. It does not require a central server and uses very little bandwidth by taking advantage of a lightweight protocol and UDP packets. Administrators can communicate with the remote systems that are connected within the local network administrator can communicate publicly or privately. Messaging is nothing but passing data to and from applications over the network which makes the synchronization across the network to exchange data in real time. of data simple. Messaging allows users across the network to exchange data in real time.

## Hardware (Developer and user environment)

1. 8GB of RAM
2. i5 processor recommended
3. Minimum 1TB capacity hard disk

## Software

1. Operating System: Windows 2010
2. Tools: Java 21.0.2

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## Software Tester(FullyRemote Working)

Enheroes Global Energy *Feb 2020 - till date, Malaysia*

- Lead team of 4 in UI-UX Testing and collaborated with developers to ensure usability, performance and functionality of the software as per specification.
- Created library of resources by Research on Stakeholder mapping, strategic partner mapping based on research oriented data.
- Lead analysis using software like excel, tableau, linked helper, pivot tables,
- Assisting in Equity Crowdfunding Campaign, sales campaigns with Enheroes.

### Tools Used:

- MSOffice, GoogleDrive, GoogleSheet, GoogleDoc, GoogleSlide, VSDC Video Editor, Technical

### Job Responsibility :

- In House Software Research, Testing, Content Building, Manual Drafting,
- UI/UX testing
- Communicating with development team about the discrepancies in the system
- Follow up on outstanding issues
- Reporting the status in the communication system
- Preparing minutes of discussion and reporting
- Market Development Research,
- Content development,
- Adaptable and proficient in learning new concepts quickly and efficiently.
- Passionate about learning and committed to continual improvement.

- Assisted with day-to-day operations, working efficiently and productively with all team members.
- Managed time efficiently in order to complete all tasks within deadlines.
- Worked effectively in fast-paced environments.
- Gained strong leadership skills by managing projects from start to finish.
- Exercised leadership capabilities by successfully motivating and inspiring others.
- Identified issues, analyzed information and provided solutions to problems.
- Paid attention to detail while completing assignments.

## **OPERATION & IT :**

- Software testing following the provided BluePrint
- Following up operations with Developers.

## **Accomplishments & Achievements**

- Contributed in DB creation for SDG & CSR Activities in more than 36 O&E companies.
- Campaign Logo Designs more than 20 Industry types
- Software End to End process testing documentation.
- Collaborate with the developer company for timely project delivery.

## **PurpleGrad (Power BI Projects)**

- Sales Analysis of Super store data
- Sales Analysis of retail Stores
- Business Analysis of Project Insurance
- World wide Online & Offline analysis for Zomato Restaurants

## **Project Super Store (PowerBI Developer, Project Leader)**

Purple Grad *Jun 2022 - Jul'2022, Pune*

### **Job Responsibility :**

- Managed Team of 4 people
- Managed team meetings and discussed project's goals and objectives.
- Scheduling meeting with Team Members
- Collaborated with team members to discuss and resolve show stoppers
- Prepared & shared the daily status report of Team with the Project coordinator
- Delivered the visualizations part of segmented project
- Analyzing the data Insights to visualize organizational positioning
- Inspired and coached team members.
- Updated customers and senior leaders on progress and roadblocks.
- Cards for Total Sales, total Profit, Total Quantity, Total Discount
- Column bar Chart for Sales by Category
- Stacked Bar Chart for Profit by Subcategory and Region
- Line Chart for Sales by Year and Region
- Pie Chart for Sales by Ship Mode
- Using Slicer for Category and subcategory wise Visualizations using
- Tree Map for Region wise Profit by Sub-Category ,
- Scatter chart for Sales and Profit by Region

## **Skills & Techniques**

- Data mining and cleaning

## **Accomplishments & Achievements**

- Managed team meetings and discussed project's goals and objectives.
- Analyzing Sales and Profits region wise Visualizing using

## **Project Retail(Team Member)**

Purple Grad *Sept 2022 - Oct 2022, Pune*

**Tools: PowerBI, MsExcel**

**Responsibilities:**

- Collaborated with team members to discuss and resolve show stoppers
- Prepared & shared the daily status report to the Team Leader.
- Delivered the visualizations part of segmented project
- Successfully delivered the project deliverables
- **Summary of different aspects are visualized like:**
  - KPI of Sales by date ,
  - Sales by Chain using Pie Chart
  - Sales by State Country using Filled Map
  - Sales by Category and Chain analysis using Cluster Bar Chart
  - Sales by Category and States analysis using Clustered Column Chart
  - Sales by Gross Profit by FY Qtr analysis using combo chart
  - Sales, GP% and Gross Profit by Category and FY Qtr analysis using the Play Axis for FY Qtr where again the GP% is calculated using a measure and analyzing with sales in the scatter chart
- Analyzing the data Insights to visualize organizational positioning
- Collaborated with team members to develop, identify and accomplish assigned goals and objectives.
- Updated customers and senior leaders on progress and roadblocks.
  - Analysis of Regions and Chains with different aspects visualization using the slicer for the dashboard
  - MultiRow card for Sales,GrossProfit and Measured GP% are analyzed with different comparisons ,
  - Cluster Bar Chart for Sales by State and Column is analyzed,
  - Area chart for Sales by Date and Chain is analyzed
  - Sales and GP% by state and manager is analyzed
  - Using Basic Map to analyze the Sales by Postcode, Suburb,Country and Chain is analyzed
  - Cluster Bar Chart is used to analyze the Sales by Buyer

## Projects Insurance(Team Member)

Purple Grad *Oct 2022 - Nov 2022, Pune*

Tools: PowerBI,CSV

Job Responsibility :

- Analyzing the data Insights to visualize organizational positioning
- Like state wise analysis of all the agencies using tools like,
- Slicer for page level filter of Year
- Slicer for Page Level Filter of States
- Card for total Agents
- State wise Product line with Bar chart
- TreeMap for Agencies by Products
- Bar chart for State wise agencies
- Cluster column chart for premium amount changes by year
- Filled Map for all Agencies in its states
- Product Line Analysis
- Stacked bar Chart for Retention ratio of all the Agencies of States
- Clustered column chart for Product: Commercial Line analysis
- Stacked Column Chart for Product ,Product line state wise also showing their 3 year's growth rate
- Clustered bar Chart for all the product and their premium amount : Commercial Line/Personal Line wise analysis
- Agency-state wise Analysis
- Scatter Chart for Agency and their product along with their premium amount and product line using play axis for Profile year,

## Projects Zomato Restaurants(Team Member)

Purple Grad *Nov 2022 - Dec2022, Pune*

Job Responsibility :

- Created different sheet objects and visualized the data for Zomato Restaurants.
- Tree map used to analyze Country wise Average of Aggregate rating.
- Donut chart to analyze the Total restaurants, online delivery and table booking yes.
- Donut chart to see the Number of Cuisines india offer compared to world.
- Column chart to analyze Restaurant Id by City .
- Tree map to analyze restaurant id by rating text
- Map to analyze aggregate rating by latitude and longitude.
- Map analysis of World Overview of zomato Restaurants
- 2D table to analyze top 20 restaurant,top 20 Cusines,top 20 restaurant by cuisines served.
- Map to see Restaurants by Country, Country Code, Count of Restaurant & Cousins, Avg. of Latitude & Longitude by Country.



Developed HRMS project using C#.NET programming language.

#### Job Responsibility :

- Wrote clear, clean code for various projects.
- Used DevOps principles to automate software.
- Contributed to deployments by resolving issues for optimal results.
- Maintained strong knowledge of evolving technology trends.
- Upgraded products to deliver smooth-running systems.
- Documented technical workflows and knowledge to educate newly hired employees.
- Tested new applications for usability and adherence to code plan.
- Handled scripting tasks for debugging and automation.
- Analyzed source code to identify functionality issues.

## MCA Programme

#### Major Project:

- **HRMS** which is a software that helps staff planning, staff acquisition, allocating resources to staff, and supervising online tests for candidates. A summary Human resource plan is created for the entire project and managed by the project manager. Here the HR performs as admin which handles both employee and candidate. HR manages the salary structure of employees and also attendance details.

#### Other Projects:

- **Budget Control** which solves the analysis of A company's Budget under various Heads such as Employee Salary, Purchase of Goods, Meeting Expenses
- For Analysis the tools used are DFD, ER – Diagram, Class Diagram etc
- For Design the tools used are Modular design, Tabular Structures etc
- For developing the package used software tools like Visual basic for front hand and for storing the data used Oracle 8 as a back end
- For testing the tools used like white box testing, black box testing etc.
- For documentation the tools like Microsoft Office Word are used.
- Generally Windows 98 is used for the platform to run developing software.

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## REFERENCES

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