

Renu Deshmukh

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Professional Experience

Assistant System Engineer

MP ONLINE LIMITED

Bhopal

06/2023 - Current

Project 1 :- MPPSC(Madhya Pradesh Public Service Commission) [07/2023 to current]

- Designed Power BI dashboards to visualize MPPSC application trends, objection resolution rates, and refund analytics, improving stakeholder decision-making by 20%.
- Wrote and optimized SQL queries to process 100,000+ candidate records for result generation and refund validations, ensuring data integrity.
- Automated admit card and call letter generation using SQL Server and ASP.NET MVC, streamlining candidate workflows.
- Streamlined objection handling and refund processes with data-driven validations, reducing processing time by 15%.
- Conducted security audits with DoS protection, CAPTCHA, and input validation, ensuring compliance for large-scale data.
- Technologies: ASP.NET C#, MVC, SQL Server, Power BI, JavaScript, HTML, CSS, jQuery, Bootstrap

Project 2:- WCDR (Women and Child Development Recruitment) [11/2024 to current]

- Managed vacancy collection module using SQL to track and analyze data across sectors, districts, and states ensuring accurate vacancy reporting.
- Developed objection calling module, enabling candidates to resolve application discrepancies, with SQL-driven data processing.
- Built registration and application forms, implementing validations to ensure data consistency.
- Delivered bug-free modules under tight timelines, resolving all reported issues using bug-tracking tools.
- Technologies: ASP.NET C# , SQL Server, JavaScript, HTML, CSS

Intern

ART-Abstinent Research & Technologies

Bhopal

03/2023 - 05/2023

- SQL Server & Power BI : Worked extensively with SQL Server using SSMS and SSIS to design, optimize, and maintain dynamic SQL scripts and queries. Proficient in all key SQL command types (DDL, DML, DCL, DQL, TCL), with a focus on data accuracy and integrity. Developed custom reports and dashboards using Power BI and SSRS, enabling clear visualization of data and performance metrics.
- Python & Web Scraping : Completed small-scale projects using Python for data automation and analysis. Built web scraping scripts to extract data from various sources, supporting reporting and decision-making workflows. Leveraged Python for cleaning, transforming, and integrating scraped data into analytical tools like Power BI.
- Technologies Used : SQL Server (SSMS, SSIS) | Power BI | Python | Basic Web Scraping

Academic Projects

Live Link

Zomato Business Analysis

- The data used here is sourced from Zomato's comprehensive dataset covering various aspects of food sales across India.
- This meticulous process yields actionable insights, empowering data-driven decision-making for the company.
- Tech Stack: SQL, Data Analysis, PowerBI

Criminal Activity Detection

06/2022 - 09/2022

- Developed a ML model, where the model detects any fights, crimes, or violence >80 percent more accurately.
- Model beats all the precision and accuracy of the other models introduced at the Smart India Hackathon, MHRD, Government of India 2022
- Tools & Technologies Used: Python, CNN, LSTM, HTML, CSS, JavaScript, OpenCV, Transfer Learning, TensorFlow

Skills

- ASP.NET | C# | MVC5 | Html | CSS | JavaScript
- SQL | Data Analysis | PowerBI | MS Excel | Pandas | Machine Learning
- Data visualization | Python | Basic AI

Education

Bachelor of Technology

RGPV University

Bhopal, MP, India

08/2019 - 06/2023

- Major in Computer Science & Engineering

CGPA : 8.89

Urban Higher Secondary

MP BOARD

Balaghat, MP, India 04/2018 - 05/2019

- 12th grade, Mathematics

Percentage: 87.8%

Urban Higher Secondary

MP BOARD

Balaghat, MP, India 04/2018 - 05/2019

- 10th grade

Percentage 90.6%

Certifications

- The Complete ASP.NET MVC 5 By Udemy
- Smart India Hackathon (Violence Detection)
- SQL basic ,intermediate and Advanced Certification By HackerRank
- The Complete 2023 Web Development Bootcamp By Udemy
- Programming for Everybody (Getting Started with Python) by coursera
- Python Certification By 365DataScience
- The Ultimate SQL Bootcamp by Udemy

Achievement

- **On the Spot Award** – Recognized by *M.P. Online Limited* for outstanding performance and timely delivery in critical project modules.
- **Selected in Smart India Hackathon (SIH)** – Shortlisted for the national-level innovation competition for the "*Violence Detection System*" project.

Interests

- Data Analysis • Python • Machine Learning