

Renu Deshmukh

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Professional Experience

Assistant System Engineer

MP ONLINE LIMITED

Bhopal 06/2023 - Current

- Currently working on the **MPPSC Project**, ensuring seamless functionality and performance across key modules including **Application Form, Objection Handling, Call Letter, Admit Card, and Refunds**.
- Developed secure, OTP-enabled application forms with integrated receipt, SMS, and email functionality.
- Managed objection handling, question jumbling, and result processing workflows.
- Automated Admit Card and Call Letter generation based on candidate eligibility.
- Implemented complete refund and refund objection modules with proper validations.
- Conducted regular security audits, incorporating DoS protection, CAPTCHA, access control, and input validation.
- **Technologies:** ASP.NET MVC, SQL Server, JavaScript, HTML, CSS, jQuery, Bootstrap, Reporting Server

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 | Web Scraping

Projects

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 Event.
- **Tools & Technologies Used :** Python, CNN, LSTM, HTML, CSS, JavaScript, OpenCV, Transfer Learning, TensorFlow

Eye Blink Detection

03/2022 - 05/2022

- Designed and developed Eye Blink detection model which produced result more accurately than the most out there on Kaggle website.
- The model uses Open-CV for the interface and generates the count of blinking of both eyes.
- **Tools & technologies used:** Python, OpenCV, Dlib.

Skills

- Python | SQL | Data Analysis | Tableau | Power BI | MS Excel | Pandas | Machine Learning
- Data visualization | Python | OOPS | NumPy | Data mining | Big Query
- Asp.Net | Mvc | Html | Css | JavaScript

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

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

Interests

- Data Analysis
- Python
- Web Scraping