

Pulkit Sharma

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Professional Summary

Motivated IT Engineer with 1.6+ years of experience in database management, backup/restore, user access, and container deployment, and provided technical support for system issues. Recently expanded expertise into Data Science and AI/ML, specializing in Python and machine learning frameworks. Passionate about leveraging technology to build scalable solutions, driving innovation, and solving complex problems using a strong foundation in IT engineering.

Education

Greater Noida Institute of Technology, Greater Noida, India
Master of Computer Applications (MCA) | 67% | July 2018 – June 2020

Marathwada Institute of Technology, Bulandshahr, India
Bachelor of Computer Applications (BCA) | 63% | July 2015 – June 2018

Technical Skills

- **Programming Languages & Tools:** Python, Java, SQL, Flask, Matplotlib, Seaborn, Scikit-learn
- **Data Analysis & Visualization:** NumPy, Pandas, Plotly, Streamlit
- **Database & Infrastructure:** MySQL, MSSQL, Cloud Infrastructure
- **Web Development:** Flask, HTML, CSS, JavaScript
- **Automation & Monitoring:** Nagios (Monitoring), PyAutoGUI, OpenCV

Soft Skills

✔ Team Collaboration ✔ Problem-Solving ✔ Effective Communication ✔ Accountability

Professional Experience

Indus Valley Partners, Noida, India

IT Engineer | October 2022 – March 2024

- Oversaw the installation, configuration, backup, restoration, and optimization of MySQL and MSSQL databases, resulting in a **25% improvement in query response times**.
- Monitored system health and server uptime using **Nagios**, minimizing downtime and enhancing reliability.
- Managed **stored procedure deployments on AWS database servers**, including build and patching.
- Assisted the development team in understanding **CI/CD pipelines**, gaining exposure to automation and deployment workflows.
- Provided **technical support for system issues**, troubleshooting database connectivity, application failures, and Citrix-related client-side issues, performance bottlenecks.

Projects

Vision – Automating RDP

Developed a Python-based tool using **PyAutoGUI** to automate repetitive tasks in **Remote Desktop Protocol (RDP) connections**. The solution automates login, navigation, and command execution, reducing manual effort and improving task management efficiency.

Technologies: Python, PyAutoGUI

Flask-Based Web Application with NER Integration

Built a **Flask-based web application** with secure user authentication and **Named Entity Recognition (NER)** capabilities. The system allows user registration and login while NER extracts and categorizes entities such as names and locations from text input.

Technologies: Flask, Python, Named Entity Recognition (NER), SQL

Flight SQL Analytics Dashboard

Designed a **Streamlit-based interactive dashboard** to visualize flight data using SQL and Pandas. The dashboard analyzes airline distribution, airport traffic, and daily flight trends, enabling data-driven insights.

Technologies: Python, Streamlit, SQL, Plotly, Pandas

Webcam Capture with OpenCV

Developed a **real-time webcam system** with video streaming, image capture, and **facial recognition** features. The application utilizes OpenCV and NumPy for efficient real-time processing and object detection.

Technologies: Python, OpenCV, NumPy

Personal Portfolio Website

Created a responsive **personal portfolio website** to showcase projects and skills. Implemented a secure **contact form with a hidden access key**, ensuring data privacy. The website enhances professional visibility and serves as a centralized platform for work display.

Technologies: HTML, CSS, JavaScript

Certifications & Courses

Data Structures and Algorithms using Java

Coding Blocks | Noida, India | January 2019

Additional Profiles

 **Portfolio:** <http://www.pulkitsarma.surajexpo.com/>

 **LeetCode:** leetcode.com/u/BrahminPulkit/
