

PRIYAM PANDEY

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PROFESSIONAL SUMMARY

Results-driven Data Analyst and Software Developer with proven experience in backend development, data visualization, and dashboard automation. Highly skilled in managing operational datasets using Power BI, Excel, SAP, and Python. Passionate about building scalable solutions and delivering actionable insights. Seeking a technology-driven, desk-based role in a collaborative environment to leverage analytical and development expertise.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++, JavaScript
- **Data & Analytics:** Power BI, Microsoft Excel, SAP, Google Sheets, SQL (including Joins, CTEs, Window Functions), Pandas, EDA, Data Cleaning, Data Visualization
- **Web Development:** HTML, CSS, JavaScript, Flask, REST API
- **Developer Tools:** Git, VS Code, Postman
- **Other:** Data Structures & Algorithms (DSA), Game Testing, Agile Methodologies, Computer Vision (OpenCV, NumPy)

PROFESSIONAL EXPERIENCE

Adani Group – Senior Engineer (Data Management Analyst) | Present

- Managed and analyzed **production data (power usage, raw material input, daily output)** across multiple shifts.
- Developed and maintained interactive **dashboards using Power BI**, enabling faster decision-making.
- Streamlined **MIS reporting through Excel automation, reducing report preparation** time by 30%.
- Extracted and validated critical operational data using **SAP** for enhanced data integrity.
- Initiated basic scripting in **Python** to automate formatting and pre-processing of large datasets.

INTERSHIPS & RESEARCH

DISHA DYE CHEM Pvt Ltd – Summer Intern | June 2023

- Gained comprehensive understanding of end-to-end dye production processes within an **industrial manufacturing unit**.

IIT BHU – Research Intern | June 2022 – August 2022

- Conducted research on the **Adsorption of dye using BIOCHAR as Adsorbent** under Prof. R.S. Singh.
- **Performed experiments** and utilized advanced analytical techniques including **SEM, FTIR, and XRD for data collection and analysis**.

TECHNICAL PROJECTS

Basketball Analytics using Computer Vision (ML + Flask)

- Engineered a **Flask-based video processing API** to **analyze basketball shot metrics** (timing, angle, trajectory).
- Implemented core functionalities using **OpenCV and NumPy** for robust computer vision processing.
- Thoroughly tested API functionality and performance via **Postman**.

Ludo Game with Data Structures (Java)

- Simulated complex game logic including dice rolls, player movement, and win conditions using **Java Object-Oriented Programming (OOP) principles**.
- Applied various Data Structures to efficiently manage game state and player data.

Online Hangman Game (Python)

- Developed an interactive online Hangman game featuring robust word tracking, real-time guess feedback, and an intuitive visual user interface.

Awesome Python Games Series

- Designed and developed a series of classic games including **Rock-Paper-Scissors, Pong, and Asteroids** using **Python &**

more and Simple GUI for engaging user experiences.

Amazon Electronics Sales Data Analytics

- Performed extensive **Exploratory Data Analysis (EDA)** and **data cleaning on a Kaggle dataset** using **Python and Pandas**.
- Uncovered significant sales trends and consumer behavior patterns to derive actionable insights.

Laptop Sales Analysis

- Utilized advanced **SQL queries** (joins, CTEs, window functions) to analyze comprehensive laptop order data.
- Presented key analytical insights and findings effectively via **PowerPoint presentations**.

Sales Analytics for Suzuki Cars

- Constructed an interactive **Excel dashboard** incorporating **pivot tables, slicers, and conditional formatting**.
- Visualized complex **sales trends** and performance metrics for clear **business understanding**.

EDUCATION

B. Tech. – Chemical Engineering | CSJM University, Kanpur | 2020-2024

CERTIFICATIONS

- **Python Programming** – Google via Coursera
- **Data Science and Analyst** – HP Life
- Data Visualization with **Power BI**
- **Microsoft Excel** – Beginner to Advanced
- **Aspen Plus Simulation Software** – NPTEL (**Silver Medal**)

ACHIEVEMENTS

- Successfully solved over **450 Data Structures & Algorithms (DSA)** problems on various coding platforms.
- Awarded **1st prize in chess** and drawing competitions.
- Volunteered at **Swadeshmitram NGO** (2017–2020), contributing to community initiatives.

INTERESTS & HOBBIES

Writing short stories, reading tech articles, exploring new technologies (e.g., Unreal Engine 5)