

# Ritvik bhardwaj

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## Objective

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To obtain a Full Stack Developer position where I can apply my expertise in automation, backend/frontend development, and data-driven applications to build inclusive and scalable public technology systems.

## Experience

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### Forth eye | Python developer intern

Jan 2023 – June 2023

- Developed and maintained Python scripts for data processing and automation, improving workflow efficiency by [specific improvement, e.g., reducing manual data handling time by 30%].
- Collaborated with senior developers to build and test APIs in Python, gaining hands-on experience in backend development and RESTful web services.

### Sahu exports | Data analyst intern

Aug 2023 – Dec 2023

- Analysed large datasets using SQL and Excel to uncover trends and insights, supporting data driven decisions across various departments.
- Assisted in data cleaning and transformation processes to ensure data accuracy and consistency, resulting in improved reporting quality.

### Sahu exports | Automation & Data Solutions Engineer

March 2024 – Present

- Built portals for documentation departments to upload PDFs; implemented code functions that extract structured data and push into databases & ERP systems.
- Developed pipelines to auto-generate Excel reports and dispatch via Outlook integration without manual intervention.  
Automated data extraction from PDF documents and population of web forms using Selenium, improving efficiency and reducing manual entry.
- Automation Frameworks – Built Python + Playwright automation for ERP, Excel generation, and Outlook dispatch.
- Developed an interactive Dash app to visualize employee efficiency and task metrics, providing managers with real-time insights into production performance.
- Increased process efficiency by 60%, saving 40+ man-hours per week.
- Built and managed full-stack workflows for product listings, pricing automation, and data-driven visibility optimization.

## Education

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ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY COLLEGE OF ENGINEERING Aug 2019 – Oct 2022 Higher Education Diploma in computer engineering

## Skills:

- **Python Programming:** Core programming skills used to automate tasks, extract data, and build web applications.
- **Web Scraping & Automation:** Experience using Selenium for automating form filling and interacting with web interfaces.
- **Data Extraction & Manipulation:** Extracting and processing data from PDFs (using libraries like PyPDF2, pdfplumber) and databases (SQL queries).
- **Data Analysis:** Proficient in data cleaning, transformation, and analysis using tools like Pandas and NumPy.
- **Dash Development:** Experience in building interactive web dashboards with Dash (a framework for building analytical web applications).
- **Task Automation:** Creating end-to-end automation scripts that integrate various tools to streamline business processes.
- **Visualization:** Creating visual representations of data using Plotly, Dash, and other Python libraries.
- **User Interface Development:** Designing and implementing intuitive web interfaces for stakeholders to interact with dashboards.
- **Error Handling & Debugging:** Ensuring reliability and robustness of automated tasks and web applications through extensive error handling and debugging practices.
- **Data Visualization:** Expertise in creating insightful and interactive dashboards using **Power BI**, along with Python-based tools like **Dash** and **Plotly**.
- **Business Intelligence:** Proficient in using **Power BI** for analysing business data, generating reports, and providing actionable insights to stakeholders.
- **Full Stack Development:** Familiarity with combining frontend technologies like **HTML**, **CSS**, and **JavaScript** with backend Python **Flask** to create end-to-end web applications.
- **DevOps & Collaboration:** Familiarity with Git, CI/CD pipelines, and logging frameworks for monitoring automation workflows.

## Tools & Technologies:

- **Automation & Tools:** Playwright, Selenium, REST APIs, OCR (**Tesseract**), Captcha Solvers (CNN)
- **Power BI:** For creating dynamic business intelligence reports and dashboards, leveraging its powerful data transformation and visualization capabilities.
- **Dash:** Framework for building interactive web applications and dashboards.
- **SQL:** For querying and working with relational databases (MSSQL-SERVER).
- **Excel:** Advanced Excel functions for data manipulation and reporting.