MUHAMMAD NOMAN

DATA ANALYST & WEB AUTOMATION SPECIALIST

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SKILLS

Programming & Tools
Python, Node.js, JavaScript, Power BI, Excel

Databases
MySQL, MongoDB

Web Automation
Puppeteer, Playwright, Axios, Scrapy, BeautifulSoup

Other
Git/GitHub, Docker

CERTIFICATIONS

Google Data Analytics (2022)

Machine Learning Specialization (2023)

LANGUAGES

English   Conversational
Urdu   Native

PROFILE

Data Analyst & Automation Specialist skilled in Python, Node.js, MySQL, MongoDB, Excel, Google Sheets, and Power BI, with experience building web scraping pipelines, data preprocessing workflows, and interactive dashboards.

PROJECTS

Web Scraping & Automation Projects

Developed multiple large-scale web scrapers (PakWheels, OLX, Rozee.pk, Goodreads, BoxRec) using Python Scrapy & Node.js Puppeteer, extracting over 50,000+ records with proxy rotation, dynamic rendering, and automated pipelines into MongoDB

Heart Disease Data Analysis with PowerBI

Performed exploratory data analysis on a clinical heart disease dataset using Power Query for preprocessing and Power BI for visualization. Built interactive dashboards to analyze correlations between patient features such as age, sex, chest pain type, exercise-induced angina, and ST slope, highlighting key risk factors and demographic patterns in heart disease incidence.

Jomashop Data Pipeline & Analytics Platform (Final Year Project)

Stack: Node.js, Puppeteer, MongoDB (Mongoose), GraphQL, EJS, Power BI (ODBC).
Built a full-stack system to scrape over 93,000 unique luxury product records (pricing, discounts, inventory) from Jomashop by leveraging GraphQL API endpoints with Puppeteer for automation and proxy rotation. Designed an EJS interface for user input, stored results in MongoDB, and connected the database to Power BI via ODBC to deliver interactive dashboards for real-time business insights.

EDUCATION

BACHELOR OF DATA SCIENCE

The Islamia University of Bahawalpur   **2021 - 2025**
CGPA: 3.52 / 4.00