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Top Skills

Site Build

Tender Submissions

Tender Process

Certifications

Data Analysis with Python

Data Analysis with Python

Python 101 for Data Science

Data Visualization with Python

Google Ads for Beginners

Satadru Biswas

Web Scraper/Web developer/Tender Specialist

Kolkata, West Bengal, India

Summary

Currently working as Freelancer providing custom software solutions particularly in the field of data extraction/data scraping/web scraping and custom website development and creating custom AI solutions . I have been working as Freelancer for the past 4 years since the Pandemic hit in late 2020.

Previously worked, as a Senior Analyst (Team Lead) at Archtek Solutions Pvt Ltd, I have honed my skills in client and vendor management within the U.S. real estate market. My role involves extensive interaction with U.S.-based property preservation clients and vendors to manage and optimize the process of preparing REO properties for prospective buyers. This experience has strengthened my abilities in cost estimation, bid preparation, and performance tracking, ensuring high-quality and timely delivery of services.

Prior to my role at Archtek Solutions, I worked at Amazon Development Pvt. Ltd as an Amazon Seller Central Product Listing Specialist. This position involved managing product listings, handling data validation, and optimizing error handling processes, which required meticulous attention to detail and effective problem-solving skills. Additionally, my tenure at Digital Insights and Research Pvt Ltd as an Associate Analyst provided me with a strong foundation in data analysis and forecasting, particularly in the consumer products and tourism industries.

My academic background in Finance and Marketing, combined with certifications in Data Analysis with Python and Data Visualization, has equipped me with advanced analytical skills and a solid understanding of various data-driven methodologies. My recent projects, including web scraping job data and automating bill extraction, have further enhanced my technical skills and my ability to manage complex tasks efficiently.

Experience

RELIANCE STORAGE ENERGY & SYSTEMS PVT LTD

Tendering Specialist

January 2025 - Present (8 months)

Kolkata, West Bengal, India

Tender Management: Acquired tenders by preparing and submitting critical technical and commercial documents for PSU and non-PSU units.

Reverse Auctions: Competed in reverse auctions with a solid grasp of battery manufacturing costs to ensure strategic bidding. Post-Bid Clarification:

Provided technical and commercial clarifications to buyers via email or dedicated portals.

Logistics & Project Execution: Prepared detailed dispatch documents and oversaw the Erection and Commissioning of projects.

Freelance | Self-Employed

Freelance

2020 - Present (5 years)

1. AI-Assisted Document Query (Feb 2025)

A Retrieval-Augmented Generation (RAG) pipeline application built with Streamlit, LangChain, and Mistral AI.

Functionality: Users upload PDF documents, which are processed with OCR for text extraction. They can query the content in natural language.

Storage: Uses ChromaDB for vector embeddings and a relational database (PostgreSQL or SQLite) for document and query metadata.

Embeddings: Supports both HuggingFace embeddings and custom embeddings.

Deployment: Designed for containerized environments (Docker).

2. CESC Auto Power Bill Generator (Jan 2024)

A Python Flask web application that automates electricity bill retrieval and notification.

Automation: Downloads PDF bills from a specified website.

Data Extraction: Parses bill details from PDFs using OpenCV and Tesseract OCR.

Notifications: Sends SMS with bill details via Twilio.

Scraping: Uses Selenium for browser automation.

3. Naukri.com Job Scraper & Data Visualization (Jan 2024)

A scalable job listing analysis tool for Data Analyst positions on Naukri.com.

Scale: Extracted and analyzed 18,000+ job listings.

Pipeline: Automated extraction, cleaning, and visualization.

Tools: Python, Selenium, and data visualization libraries.

Outcome: Provides customizable, large-scale insights into job market trends.

4. Hassle-Free Yellow Page Data Scraper

A macro-enabled Python program for fast yellow-page data scraping.

Ease of Use: One-click scraping without complex setup.

Goal: Removes technical barriers to bulk data extraction.

5. WordPress Food Truck Website

A WordPress-based promotional site for a food truck business.

Design: Showcases food items and integrates social media links for easy sharing.

Engagement: Tracks popular dishes via likes, votes, and heatmap-based interest data.

Goal: Identify and promote high-demand dishes to increase popularity and sales potential.

Archtek Solutions

Senior Analyst Team Lead

January 2017 - January 2020 (3 years 1 month)

Kolkata, West Bengal, India

Assisting US based Property Preservation Clients - Mortgage Contracting Services (MCS), Servicelink, Mortgage Specialists International (MSI) to recover Mortgaged Loans by turning REO (Real Estate Owned) properties ready for Prospective Buyers.

2. Conducting in-depth Real Estate - Research with help of photos and videos and annotations from Property Inspector of the REO Properties as well as 3rd party software such Property Base to ascertain level of preparedness by Cost Estimation of repair/renovations/maintenance.

3. Preparing Tender Bid for Client- Finalizing the Actual Cost Estimation of the repairs/renovation/maintenance through subsequent bidding/pricing negotiation with US based Property Preservation clients such as MCS, MSI etc.

4. Preparing Tender Bid for Vendor – Fresh estimation of the successful bids received from Client as Work Order, created for prospective Vendors. Job Sheets created with the fresh estimation and floated through tender for Vendors.

5. Job Sheet Explanation - To contractors/vendors and providing working capital for equipment if needed for the job mentioned in the Job Sheet.

6. Following up- With contractors/vendors on previous Work Order, Current Work Orders.

7. Reassigning Work Order - From one contractor to another with reassessment of bid offers in case of incomplete/unsatisfactory jobs.

8. Work Order Submission - Completed Work Order submitted to Clients using Web based and Mobile based platforms supported by photos and videos and Billing evidence.

9. Clients Follow Ups - Email and telephone follow ups for making changes and completing unfinished/pending/unsatisfactory Work Orders

10. Tracking Vendor Performance Indicators – Contractors/Vendor performance

tracked such as Time Utilisation, Follow-up Frequency, Vendor Portfolio Balancing,
Creating Area Wise Vendor Metrics. Creating benchmark indicators and assessing best possible vendor choice for specific job area wise.

Amazon

Amazon Seller Central Product Listing Specialist

February 2016 - November 2017 (1 year 10 months)

Hyderabad, Telangana, India

Work-flow assignment: Assigning new jobs to team members based on available bandwidth, following up on pending job request, matching listings before subsequent job assignments.

2. Categorizing, Cleaning, Rearranging, Validating – Raw information as received

from vendors/sellers are categorized into different categories. After categorizing, data

is cleaned by rearranging Product Title, Product Description and Bullet Points and

Product Image checking according to SOP for that category.

3. Information Auditing/Validation – Before the cleaned and rearranged Product

information is uploaded in Seller Central for subsequent listing, stringent auditing/validation is done, namely, to match the right product to right category, right

price and right image for the product as provided. The auditing/validation is double

checked through peer review mechanism following the same stringent procedure.

4. Product Listing – The cleaned, rearranged and audited product information is

uploaded in Amazon Seller Central web platform for Product Listing.

5. Error handling in Seller Central Upload - Doing in-depth analysis for product listings uploading error in Seller Central Platform, suggesting corrective methods for

error trouble shooting or raising trouble-ticket.

6. Item Data Quality (IQD) Improvement-Identifying defects in item cataloguing,

listing in, terms of category, title, description, image and so on.

7. Client Liaison- Responding and prioritizing requests from account managers to fix error in product pages.

8. Weekly Metric Support- Providing support of weekly downloads of Amazon Seller Central data and insight report for Account Managers.

Digital Insight

Associate Analyst

August 2013 - January 2016 (2 years 6 months)

Hyderabad, Telangana, India

Roles and Responsibilities My responsibilities include two separate and distinct domains which are Consumer Products

Industry and Tourism Specific Industry.

Overall view

1. Performing secondary search: Preparing extensive information database using excel

spread sheets about multiple industry indicators for Consumer Product Goods Industry

and Travel and Tourism Industry. Data for the verticals are extracted through extensive

secondary source backed by primary data, secondary and competitor data.

2. Forecasting: Then based on the historical data extracted forecasting is done for the

year 2-3 years based on various kind of macro and micro economic factors and creating

weighted drivers for forecasting.

3. Report Writing: Reports are prepared based on the historical and forecasted data,

which are sent for validation to the offshore teams. Based on the feedback received,

necessary changes are incorporated to modify the reports before finally handling it to

the intended client.

Consumer Product Division:

1. Developing KPI: The work mainly involves producing forecasts for the Key Performance Indicators (KPI) such as, Market Value, Market Volume, Consumption

Per Capita, Market share, Product Ranking in respective categories and respective countries, and forecast the probable Market Value and Market Share.

Tourism Division

1. Preparing data drive excel sheets: Work in tourism involves Forecasting Passenger

Volume in terms of Inflow and Outflow of International Tourists and Domestic Tourists, Mode of Travel Used, Tourism Receipts and Expenditure Value. In Airlines

Industry some of the KPI used are, Number of Airline tickets sold in both Domestic

and International trips, Total Number of Passenger Kilometre, Total Revenue Generating Passenger Kilometre, Total Revenue Generated and Revenue per Passenger. In Hotel Industry some of the KPI used are Number of Establishments,

Number of Rooms, Room Occupancy Rate, Revenue per Available Room.

Royal Research

Academic Researcher

August 2012 - June 2013 (11 months)

Kolkata, West Bengal, India

Roles and Responsibilities -

Preparing blueprint/guidelines for dissertations, thesis paper, College Assignments, College

Projects on topics of Marketing and Finance for post graduate students.

Students are pursuing

distant learning/part time/fulltime programmes, particularly in MBA from UK, USA, Australia

and UAE. The student forwards their respective requests on topic of interest ranging from

marketing to finance to us. The topic wise information is sourced from various secondary

sources such newspaper articles, business magazines, Company Final Reports and Bulletins,

research papers/white papers published in popular online journals, pdf or word documents. The

tools used for this job are mainly Ms Excel and Ms Word processor. Once prepared the

completed work is forwarded to Client. In this way a blueprint is created by us that serves as guiding principle for student in preparing his/her topic

SYNTECH INFORMATICS PRIVATE LIMITED

Hardware Specialist

May 2009 - April 2010 (1 year)

Kolkata, West Bengal, India

Roles and Responsibilities -

1. Positioned as a technician, where my role included installing and troubleshooting the machines at customer premises like various workplaces and educational institutes and individual customer homes.

2. After 7 months as a technician, became part of the hardware assembling team responsible for assembling various machines and other computer peripherals.

Education

West Bengal University of Technology, Kolkata

Master of Business Administration - MBA, Finance and Financial Management Services · (2010 - 2012)

West Bengal University of Technology, Kolkata

Bachelor of Technology - BTech, Industrial Electronics Technology/ Technician · (2005 - 2009)