

# Hammad Bilal

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## Real Client - Projects

### DocketingPortal | Python, Javascript, Html, Css

**Teck Stack :** *Django, Django Rest-Framework, Pandas, Tom-Select, Bootstrap 5, Postgress*

A Django-based SaaS web application built for a patent firm to manage client data, patent filings, and invoices

Automates the generation of deadlines and supports comprehensive case management.

### Excel to Charts Automation | Python, Matplotlib, python-docx

**Teck Stack :** *Pandas, Matplotlib, Python-Docx, tkinter*

Program that converts Excel data into charts and generates a Word blog-style report.

- Automated workflow saved clients hours of manual work.
- Dynamic charts embedded with zero manual input after Excel upload.

### Inatagram Bot | Python, Selenium

**Teck Stack :** *Selenium, requests, html-session*

An Instagram automation bot that listens to messages from a specific user for commands.

- Automatically downloads a messaged reel, edits it, and uploads it from the bot account.
- If the user sends an Instagram username instead of a reel, the bot finds the most popular post from that account, downloads it, and uploads it automatically.
- Includes additional automation features for content posting and story creation.

## Fun - Projects

### SaveOnlineVideo | Python, Flask, yt-dlp

**Teck Stack :** *Flask, Jinja2, html-session, Urllib ,snsrape ,pytubefix*

A web app to download videos from YouTube (and previously Instagram, Twitter, Facebook).

- Built a clean interface for easy downloads.
- Hosted on Replit (demo) and available on GitHub.
- <https://replit.com/@mecrazy1/SaveOnlineVideo>
- Portfolio: <https://ur0dead.github.io/>

### CMS Detection Tool | Python

**Teck Stack :** *requests, Pandas, httpx ,concurrent-futures*

Detects CMS of a given website by analyzing headers, cookies, meta tags, and scripts.

- Built modular structure for future CMS-specific pattern recognition.
- Useful for client security scans and competitive research.

### Flipkart vs Amazon Price Comparator | Python, Requests, BeautifulSoup

**Teck Stack :** *requests, Pandas, Selenium,Bs4*

A fun tool that compares product prices across Flipkart and Amazon in real time..

- Extracts and compares pricing data using requests and BeautifulSoup
- Highlights the cheaper platform and saves results locally for tracking

## Certifications & Coding Profiles

### Responsive Web Design Certification

url :- <https://www.freecodecamp.org/certification/ur0dead/responsive-web-design>

### Frontend Development Libraries Certification

url :- <https://www.freecodecamp.org/certification/ur0dead/front-end-development-libraries>

### Data Visualization Certifications

url :- <https://www.freecodecamp.org/certification/ur0dead/data-visualization>

### Backend Development and APIs Certifications

url :- <https://www.freecodecamp.org/certification/ur0dead/back-end-development-and-apis>

### Legacy JavaScript Algorithms and Data Structures

url :- <https://www.freecodecamp.org/certification/ur0dead/javascript-algorithms-and-data-structures>

### Codewars - 4 kyu (Python)

Profile: <https://www.codewars.com/users/AK1256573/badges>

## SKILLS

Python • Pandas • Flask • Django • Pandas • Matplotlib • Web Scraping • SQL • Postgres • HTML/CSS • Bootstrap • Javascript • MongoDB • BeautifulSoup • NLTK

## SUMMARY

Self-taught Python developer who loves turning ideas into working tools — from web apps and automation scripts to web scraping and data-driven dashboards. I enjoy solving real problems with clean, practical code and learning something new every time.

## EXPERIENCE

Independent Python Developer | Remote | 2023 - Present

- Built Python solutions that automate workflows, extract data, and deliver insights.
- Created web scraping APIs and automation scripts that power client dashboards.
- Implemented OCR pipelines for reading scanned forms and verifying extracted emails.

## EDUCATION

### **Self-taught Programmer | Continuous Learning**

Gained hands-on experience through freelance projects, open-source contributions, and personal experiments — learning from books like *Automate the Boring Stuff with Python* and *Web Scraping with Python: Collecting More Data from the Modern Web*.