**Liane moon**  
Self-Taught Python Developer | Data Automation | Audio Processing | API Integration   
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| [GitHub Profile: <https://github.com/Spookyliane>] | [Projects: https://soccer-prediction-topaz.vercel.app/, https://spookyliane.github.io/vema/]

**About Me**

Self-taught Python developer with a focus on automating processes, data handling, and building practical, real-world applications. Over the course of my development journey, I have gained significant experience in API integration, file processing, and developing utilities that streamline workflows. I'm passionate about problem-solving and creating tools that save time and enhance productivity. Currently, I’m looking to expand my skills in audio processing, AI, and data-driven application development.

**Skills and Technologies**

* Languages: Python, JavaScript (React.js, Node.js), TypeScript, HTML/CSS
* Libraries/Frameworks: React.js, Pine Script, Flask, FastAPI, Next.js
* APIs: AssemblyAI, RapidAPI (Forex API), Football-Data.org
* Tools: Git, GitHub, Visual Studio Code
* Security: Environment variables, API key management

**Projects**

**1. Football Prediction Website**

**Description**:  
A football prediction website that fetches real-time results from an API and generates predictions for upcoming matches. The site allows users to review historical data from the past year to make more informed predictions.

**Key Features**:

* Real-time match predictions based on historical data.
* Display of upcoming matches and analysis.
* Historical data review for improved prediction accuracy.
* Secure API integration to fetch data and prevent public access to sensitive information.

**Technologies Used**:

* React.js
* typescript
* JavaScript
* APIs (Football-Data.org, API-Football)
* Local storage for API security

**2. Smart Money Indicator for TradingView**

**Description**:  
A custom-built TradingView indicator that helps traders identify order blocks (OB) and Smart Money Concepts (SMC) using price action, volume, and key support/resistance levels.

**Key Features**:

* Detects Order Blocks (OBs) and Smart Money Concepts (SMCs) on charts.
* Customizable for different trading styles (e.g., short-term, long-term).
* Real-time alerts for identified OB and SMC levels.
* Visualizes data for easier trading decisions.

**Technologies Used**:

* Pine Script (TradingView)
* Price action analysis

**3. Audio Transcription and Formatting Script**

**Description**:  
A Python script that automates audio file transcription using the AssemblyAI API, formats the transcription based on a reference document (PDF or DOCX), and saves the result as a DOCX file in the user's Downloads folder.

**Key Features**:

* Extracts reference text from PDF/DOCX files for formatting.
* Upload audio files (MP3, WAV, FLAC) to AssemblyAI for transcription.
* Formats the transcription according to a given template (medical, court, interview).
* Saves the formatted transcription as a DOCX file.

**Technologies Used**:

* Python
* AssemblyAI API
* Requests
* python-docx
* PyMuPDF

**4. Illegal soccer sstreaming**

**Description**:  
An integration project where an API is used to fetch livestream of football match and display it on a web interface. The project focuses on working with real-time data and offering users up-to-date match livestream.

**Key Features**:

* Fetches live football streams, including time, home and away team, and the video source.
* Displays data dynamically on a web interface with html
* Integration of third-party sports APIs like Football-Data.org.

**Technologies Used**:

* Html
* Css
* JavaScript
* REST APIs

**6. High-Accuracy AI Football Match Predictor**

**Description**:  
A high-accuracy AI football match predictor built with Next.js and Python, including a modern dashboard for displaying match predictions and results, with a focus on monetization strategies.

**Key Features**:

* AI-powered match predictions based on historical data and statistical analysis.
* Real-time match updates and prediction accuracy tracking.
* Monetization features for premium access to advanced prediction insights.

**Technologies Used**:

* react (Frontend)
* typescript
* Monetization strategies (Ads, Subscriptions)

**Future Improvements for Projects**

* **AI-based Features**: Adding machine learning algorithms to improve predictions (e.g., for football match outcomes or financial predictions and crypto).
* **User Authentication**: Integrating user authentication for personalized experiences and data tracking.
* **Additional Integrations**: Expanding API integrations (e.g., adding more sports or financial data sources).
* **Real-time Features**: Implementing real-time data features, such as live updates for football matches or financial data.

**Experience**

**Freelance Python Developer**  
*January 2023 – Present*

* Developed several Python-based tools, including automation scripts for data processing, file handling, and API interactions.
* Implemented secure API integrations for transcription services and formatted data into user-friendly outputs.
* Worked on building efficient workflows for processing audio and text data, saving users time and effort in manual transcription tasks.

**Personal Projects**  
*June 2021 – Present*

* Developed a number of automation tools and scripts, including projects focusing on text extraction, file manipulation, and workflow optimization.
* Contributed to open-source projects related to Python and automation, focusing on increasing efficiency through coding best practices.

**Education & Certifications**

* **Self-Taught Python Developer** – Online courses, tutorials, and project-based learning.
* **Introduction to Data Science with Python** – Coursera, 2021
* **RESTful API Design** – Udemy, 2022
* **Advanced Python Programming** – Codecademy, 2023

**Achievements & Contributions**

* Built and shared various Python automation scripts on GitHub, gaining positive feedback from users seeking to automate transcription and document formatting.
* Participated in coding challenges and problem-solving communities like StackOverflow and GitHub discussions.
* Actively learning and contributing to open-source projects, improving my skills in Python, API integrations, and automation.