



Ranmal Mendis

SENIOR FULL STACK SOFTWARE ENGINEER / SENIOR PYTHON ENGINEER / AI ENGINEER

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About

Hello! I am Ranmal Mendis. Full Stack Software Engineer, Educated in Computer Science with Artificial Intelligence, and experienced in various digital technologies.

With over 4 years of experience as a Full Stack Software Engineer on Upwork, I have honed a diverse and robust skill set, delivering high-quality solutions across various projects. My journey includes roles as a Backend Software Engineer at Cryptus IT Solutions and as a Director at Heladiva Raz Holdings. This varied experience, combined with my commitment to continuous learning — as evidenced by my pursuit of an MSc in Computer Science with Artificial Intelligence at the University of York — empowers me to bring innovative and effective solutions to any challenge.

Basic Information

DATE OF BIRTH: 24/10/1995

EMAIL: ranmal.mendis8@gmail.com

PHONE: Hidden

ADDRESS: NO. 1/62 Akurella Road, Galle, 80000, Sri Lanka

NATIONALITY: Sri Lankan

Professional Skills

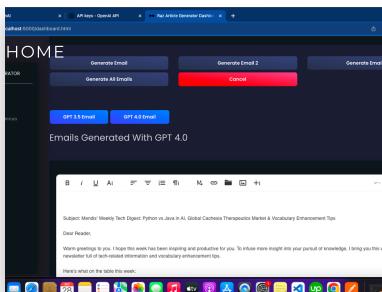
PYTHON SKILLS	95%	AI / ML SKILLS	95%	CLOUD TECHNOLOGIES & APIs	95%
<ul style="list-style-type: none"> Web Frameworks: Flask, Django, Fast API, Jinja, SQLAlchemy Web Scraping & Automation: Scrapy, BeautifulSoup, Selenium, urllib2, PyMuPdf, PDF Data Extraction Asynchronous Programming: Web Scraping, Data Scraping, Asynchronous Programming, Multi-Processing, Multi-Threading Python Libraries: Swagger, Webhooks, Web Sockets, Python Bots, Numpy, Pandas Data Visualization: Matplotlib, Plotly, Dash, Bokeh, Tableau, Power BI, Data Storytelling Automation & Bots: Data Manipulation, Binance Bots, Telegram Bots, Binance-Telegram Bots, Web Scraping Bots, Facebook Scraper, Python Automation 		<ul style="list-style-type: none"> AI and ML Platforms: OpenAI (ChatGPT, DALL-E 2, Davinci, Davinci-text-003, gpt-3.5-turbo, gpt 4), Langchain, Chatbot Development, Llma 2, Bard, Claude, Claude API, Stable Diffusion, Stable WarpFusion Machine Learning Frameworks: PyTorch, TensorFlow, Keras Computer Vision and OCR: OpenCV, OCRmyPDF, Tesseract OCR Data Science and NLP: Scikit Learn, NLTK, SpaCy, BERT, Gensim, Word2Vec, GloVe Advanced ML Techniques: Reinforcement Learning, GANs, Autoencoders, Transfer Learning ML Deployment and Interpretation: Model Deployment, Model Interpretation, Feature Engineering, PCA, t-SNE 		<ul style="list-style-type: none"> Cloud Platforms: AWS, Azure, GCP, Firebase Containerization and Orchestration: Docker, Kubernetes Continuous Integration/Continuous Deployment: CI/CD, Jenkins, Git AWS Services: AWS Cloudformation, AWS CodeCommit, AWS Cloud9, AWS CloudWatch, AWS RDS, AWS ECS, AWS SQS, AWS S3, AWS Lambda, AWS EC2 Azure Services: Azure Kubernetes Service, Azure WebApp, Azure Storage - Blob, Azure SQL Database APIs and Automation: Google Maps API Suite, Adobe Extraction API, Open AI API, Stripe API, Paypal API, Zapier Automation, Python Automation 	
JAVA / JAVASCRIPT SKILLS	90%	NO-CODE,CMS, GRAPHIC DESIGN &	95%	DATABASES SKILLS	95%
<ul style="list-style-type: none"> Java, JavaScript, React JS, Angular JS Node JS, Express JS, MongoDB Android Development, Firebase PHP, Scala, Rust, Svelte, Java Web Sockets, MySQL, SQL, Oracle 		<ul style="list-style-type: none"> Content Management Systems (CMS): WordPress (including WooCommerce, Elementor, Divi Theme), CMS Management Web Hosting and DNS Management: Web Hosting, DNS, Namecheap, Cloudways, GoDaddy No Code Platforms: Bubble.io, WebFlow, ServiceNow, Airtable Graphic Design Tools: [List specific tools if needed] WordPress Advanced: WordPress Theme Customization (code level changes), WordPress REST API Integration and Automation: Zapier, Dokan Multivendor, WCFM, Payment Gateway Integrations, Twillio, Make.com Automations, GStreamer, RTSP, Salesforce API 		<ul style="list-style-type: none"> MySQL, SQL Server, MongoDB PostgreSQL, Oracle, Neo4J NoSQL, Cypher Query Language, Firebase, AWS RDS, MariaDB, SQL Lite, Graph Databases 	

Portfolio

Discover Travel Destinations
"Discover Travel Destinations" is an innovative online platform dedicated to transforming the way travelers plan and experience their journeys. This website serves as a comprehensive guide for exploring travel destinations and tourist attractions worldwide. Its unique feature is a

Pexels Image Fetcher
The Pexels Image Fetcher is a WordPress plugin designed to dynamically fetch and display images from Pexels.com based on specified topics. This plugin integrates seamlessly with the Pexels API, allowing WordPress site administrators to enrich their website with high-quality, relevant photographs without the need for manual

An AI Chatbot with Open AI Assistant API (GPT 3.5 Turbo/GPT 4 Turbo)
Travella elevates the real estate experience with its sophisticated Flask-powered application, prominently featuring an advanced chatbot at its core. This app, deployed on AWS EC2 for optimal performance, integrates a range of technologies with the chatbot being a key



GPT3.5, GPT4 based Article Generator- Python Flask

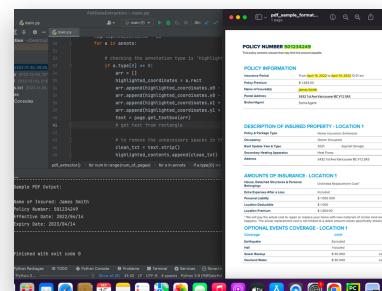
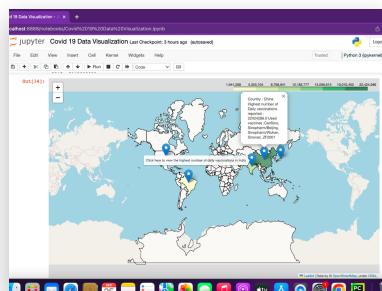
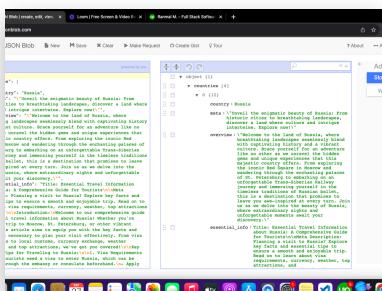
This Python Flask application is designed to facilitate the generation of articles and emails using the advanced capabilities of both GPT-4 and GPT-3.5 language models. Users have the flexibility to incorporate relevant dynamic fields into their input, enabling the creation of comprehensive

Google Sheets API automation + Facebook Ads Posts/dark posts Comments Extraction

In the course of this project, I undertook the task of extracting Facebook Ads posts and associated comments from a Facebook page by the name of 'Unique Raz'. These posts, sometimes referred to as 'dark posts' or 'hidden posts', earn their moniker due to

Extracting data from Facebook Graph API + Google Sheets Automation

In the scope of this project, I executed a data extraction process focused on Facebook posts and comments originating from a Facebook page known as 'Unique Raz'. To accomplish this task, I leveraged the Facebook Graph API, which facilitated the retrieval of pertinent data. Subsequently, I



Generate contents using with Open AI API (GPT-3.5-Turbo LLM)

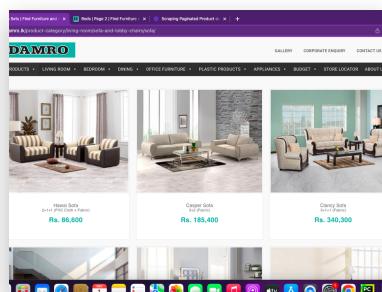
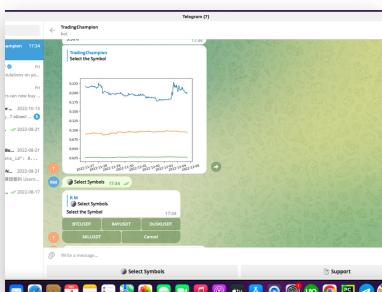
The provided script operates dynamically, generating content through the OpenAI platform for each individual row within a specified CSV file. It leverages the GPT-3.5 Turbo model for its natural language processing capabilities. Additionally, the implementation incorporates asynchronous

Covid-19-Data-Visualization-Python- Folium

In this project, the number of daily vaccinations against covid 19 has been analyzed based on countries. The final output shows the top 5 countries that had the highest number of daily vaccinations prior to 2022 on a Map created with Folium. On the final map, we have markers on the

PDF Data Extraction with Python - PyMuPdf

Used technologies :- fitz, re, datetime, pandas, PyMuPDF
Both scripts detect the pdf's format(format 1 and format 2) based on the identical contents in each pdf. Then they apply the relevant conditions and rules to extract the contents.



Binance-Telegram Bot with Python (+ Inline Keyboard & Reply Keyboard)

This is a Binance-Telegram bot developed with python. This bot has inline keyboard markup and reply keyboard markup too. When the user selects the relevant symbol it sends the changed percentage of the value(price) of that symbol over the past seven days with a plot in png format.

Scraping Paginated Contents with Python, Scrapy - Damro.lk

In this project damro.lk's sofa and bed products data have been scraped with python, and Scrapy. The results are saved into a JSON file.
<https://www.loom.com/share/34b39828d46b48>

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Work Experience

HOME

JANUARY 2020 - PRESENT

FREELANCER -
UPWORK

Full Stack Software Engineer

Working on Upwork since completing my bachelor's degree. Experienced in Python, Flask, Django, AI, Machine Learning, Deep Learning, Web Scraping, Scripting, contributing to various software development projects as a full stack Engineer/AI Engineer/Senior Software Engineer.

MARCH 2022 - NOVEMBER 2022

BLACKSWAN
TECHNOLOGIES

Backend Engineer (R&D - Python Java Scala)

Served as a Backend Engineer through Cryptus IT Solutions for BlackSwan Technologies. Focused on development using Python, Java, Scala, Flask, Spring, and various technologies such as AWS, Azure, GCP, Docker.

AUGUST 2019 - NOVEMBER 2021

HELADIVA RAZ
HOLDINGS(PVT) LTD

Director

Founded this startup to create an online marketplace (Unique Raz) supporting Sri Lankan sellers. Managed various aspects including WooCommerce, WordPress, Payment Gateway Integrations, and DNS configurations. Closed the company due to challenges in the Sri Lankan online marketplace.

MAY 2018 - NOVEMBER 2018

SLIIT

Intern

Completed my internship at SLIIT, focusing on building and managing a WordPress website for SLIIT CODEFEST 2018. Conducted a study on open source project management software tools and worked with WordPress, Orange Scrum, OpenProject, Taiga, ProjectLibre, Adobe Photoshop, and Illustrator.

Education

March 2022 - Present

Master's Degree

MSc Computer Science with Artificial Intelligence

UNIVERSITY OF YORK, UNITED KINGDOM

Participating in a part-time distance learning MSc program offered 100% online by the University of York, focusing on Computer Science with a specialization in Artificial Intelligence.

November 2015 - November 2019

Bachelor's Degree

BSc (Hons) in Information Technology Specializing in Software Engineering

SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY (SLIIT)

Achieved Second Class - Upper division with a GPA of 3.47/4.0. Included in the dean's list for the fourth-year final semester.

2001 - 2014

High School

Science and Mathematics

SOUTHLANDS COLLEGE, GALLE, SRI LANKA

Completed G.C.E. Advanced Level with grades C in Biology, S in Chemistry, and S in Physics. Achieved 9 distinctions in G.C.E. Ordinary Level across all subjects including Mathematics, Science & Technology, and English.

Testimonials



"I've had the pleasure of working with Ranmal on several projects. Ranmal is a very talented individual and consistently steps up and excels on some very challenging projects. They provided high-quality deliverables with professionalism, and I am very satisfied with the overall work product. Highly recommended!"

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ranmalmendis8@gmail.com

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Ranmal Mendis

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