

Resume – Automation AI ML Python VBA

Personal Details:

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Professional Summary:

- 10+ Years of total experience as Software Developer in software design, analysis, development in Python, AI, ML, VBA.
- Hands on in application development using with Excel Macro as the code-behind language
- Ability to learn & develop using new technologies quickly.
- SSIS Package extraction from SQL Server 2008.
- Google Generative AI – Duet AI Labs experience in Gen AI as an added advantage.

Academic Profile:

- B. Tech in Electronics and Communication Engg from Trichy Engineering College, affiliated to Anna University.

Certifications:

- Google Developer certification for Duet AI Labs completion from **Google Developer Groups Cloud Kochi**
- RPA BluePrism Certification

Experience:

- Currently working with Computacenter ON role as a Senior Software Engineer from Apr 2022 to till date
- Worked with Tesco ON role as a Lead Report Development from Dec 2021 to Apr 2022
- Worked with Qness Corp(Client Tesco) as a Lead Report Development from Nov 2020 to Nov 2021
- Worked with State Street Corporate Services India as a VBA developer from Mar 2020 to Nov 2020
- Worked with Hewlett-Packard Enterprise(HPE) (BlueCrimson) as a Business Analyst from March 2019 to Feb 2020
- Worked in Tesco(Magna Employee) as a VBA Developer from April 2018-March 2019
- Worked in KRA Systems as a software developer in .net and VBA Development process from May 2013-Mar-2018

Technical skills:

- **Robotic Process Automation:** Blue Prism
- **Microsoft Technologies:** SQL, VBA.
- **Languages:** VBA,C#
- **Databases:** SQL Server 2005/2008, MS -Access 2003
- **Packages/Tools:** MS-OFFICE:2007
- **OS:** Windows 7, Windows XPProfessional.
- **SSIS Package :** Extracting the datas from huge SSIS Package from SQL server 2008.

PROFESSIONAL EXPERIENCE:

Worked Projects:

Automatic Number Plate Detection AI Technique using math

Chat bot creation using SQL - Azure Open AI Prompt Flow

Chat Assistant Website Creation

Annotate the Image using Duet AI

Human eyes as Virtual Mouse using Mediapipe, pyautogui library

CE Periodic Performance Pack_v1.22 - Czech

Budget Tracker Report for Waterfall Graph

AXEL Macro

Poland and England Offer letter Generation

Weekly and Monthly FIN 39 Report

Blue Prism RPA Automation for Outlook Mail

Mado Blue data Reporting

CBC, BUYER Report for Tesco Business Process

Performance Management Tracker

Rudolph (U.S) Company Projects (Windows Application Projects)

Computacenter Project Details:

Automatic License Plate Detection AI Technique using math

Developed a project for the requirements from the team for license plate verification using Math calculation and image projection by providing the automobiles as images to find out the licensed numbers as text from the given image. The libraries used are opencv, imutils, pytesseract, winsound for the beep. The licensed numbers are saved in a text database

file. The same Licensed number is in the database then automatically the beep sound produced. This has been given to the partner service company from the team after the test got successful.

Chatbot creation using SQL - Azure Open AI Prompt Flow

Using SQL Connection with Python created a AI Search connection script. Created a prompt flow in Azure Open AI and with the backend database created a chat flow as standard prompt flow. Deployed it in teams for the team purpose with the questions flown within the chat bot and answers from the SQL connection database datas. This is useful for the customers and stock holders to know what are the datas available as per their requirements.

Chat Assistant Website Creation

Created a chat assistant website using Python and AI, ML Concepts using the connectivity brand of ChatGPT and release in a local host server. Gradio library used to create this technique and this can be used as a chat bot assistant for my team for their needs. This has been released to the onshore team for their purpose. The host server has been launched as a mobile App for the team use.

Annotate the Image using Duet AI

Developed a python project in Google AI - DUET AI to enhance an existing application. Using Duet AI created a python project to create the cloud function from cloud storage bucket. Using google cloud vision API save results and read the vision image from gcs function. And then the function using annotate image function to annotate the image.

Human eyes as Virtual Mouse using python library

Developed a python project using libraries Mediapipe and pyautogui to experiment the human eyes as virtual mouse. This should be helping the customers who are all not using mouse can use this AI Technology libraries to drag and drop without using Mouse.

Tesco Project Details:

CE Periodic Performance Pack v1.22 - Czech

Developed a VBA macro project for Czech Republic Entity. A macro to automatically pick the datas for ever week and then it should replace datas in specific sheets. The 45 sheet file carries the data periodically and it should perform automatic and manual calculations behind it to find the profit/loss ratio. One week manual work reduced to less than 20 minutes in this project.

Budget Tracker Report for waterfall graph

Developed a Budget tracker report for waterfall graph file to get the particular columns from numerous entities in Central Europe. It should pick the particular accounts wise list like bank accounts, Account hierarchy, Entity, Custom 1,2,3,4,5 from various files with multiple tabs and put that into a separate file to create the waterfall graph. 2 day work comes under 15minutes through macro VBA.

AXEL Macro

Developed a AXEL Macro for the Distribution Central Master Inter company project. It has the IC Transfer from PAF Template using the Entered Credit/Debit amount and description, Account details and other parameter details. Once that is done then send automatic mail notification to the Users. Then finally consolidate the whole input files into a separate Output file.

StateStreet Project Details:

Poland and England Offer letter Generation

Developed a VBA macro project to generate offer letter based on Polish and English Language simultaneously. According to the templates given for both language we need to create the offer letter. The inputs taken from Output Development Form (ODF) with any combination from 8 templates given. SSGA A1-AVP, SSGA VP+, SSBI A1-AVP, SSBI VP+, 18 months contract English, 18 months contract Polish, Internship English, Internship Polish are the templates from which we would generate the offer letter accordingly.

Weekly and Monthly FIN 39 Report

Developed an automation in VBA macro for Weekly FIN 39 Report from various report and consolidate the other files with calculation into the main report file. Once Copy all the sheets from the other files into Main report file then update the chart through macro. Same process for Monthly report.

HPE Project Details:

Blue Prism RPA Automation for Outlook Mail

Outlook mail automation using RPA tool "Blue prism". Day by day activity to get the current date's mail from stakeholders. If the mails according to today's date is there, then move the mails to sub folders. After moved the current date's mail, check if mails having attachments available. If attachments found, then move that to another subfolder. From the sub folder which is having attachments, download the attachment from the sub folder folder. Create a new folder in any of the path through BOT and saved the downloaded attachments into the created folder with the name of Today's Date. This Outlook Automation ends with quick time and manual work is further reduced.

Mado Blue data Reporting

Extract the data using SQL query in SQL tool and then using macro pasting the files into the templates. The macro will do quality checks and then refresh the output files into the Blue Data Dashboard. After all refreshed, publish that into the Power Bi Dashboard. Do publication mails to the stake holders. Using SSIS package to extract the datas from SQL server. Maintaining the SSIS package.

Tesco Project Details:

CBC, BUYER Report for Tesco Business Process:

Developed an Automated macro for CBC and Buyer reports for the Tesco Business process. To automate the reports for CBC and Buyer purpose automatically. Adding Lookups and pull reports from the Client report. Separate the report for CBC and Buyer according to the client report.

Performance Management Tracker

Developed a User form for the Performance management tracker for the Tesco Managers/ Work level 3 Manager purpose. The user form with login following with One to One Meetings and Skip Meetings. The user form should load from the Sql database.

KRA Project Details:

Project 1 : Rudolph Polarimeter

- **Project Name :** Rudolph Polarimeter
- **Client Name :** Rudolph
- **Project Description :** The Main aim of our Project is to Measure the Optical Rotation, specific rotation, Concentration and Degree Z scale values for various different wavelengths of a given sample. High Accuracy values also find out using latest versions. We are using Back end simulators for the process.
- **Duration :** August 2013 – March 2018
- **Role :** .Net Developer
- **Technical Environment :** C#, ADO.NET, SQL Server 2005, VS-2008.
- **Communication Device :** USB Ports for Simulator Communication
- **Versions :** Autopol I,II,II,IV,V,VI

My Job in Working Projects:

- Responsible for Python AI ML and VBA Macro Development.
- Used VBA to connect to the database using the SQL Server ADODB Data provider.

Key Strengths:

- Strong analytical problem determination/solving skills
- Excellent communication skills, both verbal and written.
- Ability to work independently and within a team.
- Willingness to learn.
- Self Motivated and Goal Oriented.
- Flexibility and adaptable.

Personal Profile

Father's Name: T.SEKAR

DOB : 07-12-1990

Gender : Male

Nationality : Indian

Marital Status : Married

Languages Known: English, Tamil, Hindi.