Last updated: 08-02-2025

Python Developer

**Key skill: Python (Full stack)**

Related Skills: MySQL, MongoDB, JavaScript, HTML, CSS, C++, VBA, Qt

Relevant Experience: 13 years

**CAREER OBJECTIVE**

Utilize my skills and knowledge productively by involving innovations and creativity to grow with the organization and to gain additional knowledge.

**CAREER TIMELINE:**

VISWANATHAN L



🖂 [viswaa1990@yahoo.com](mailto:viswaa1990@yahoo.com)

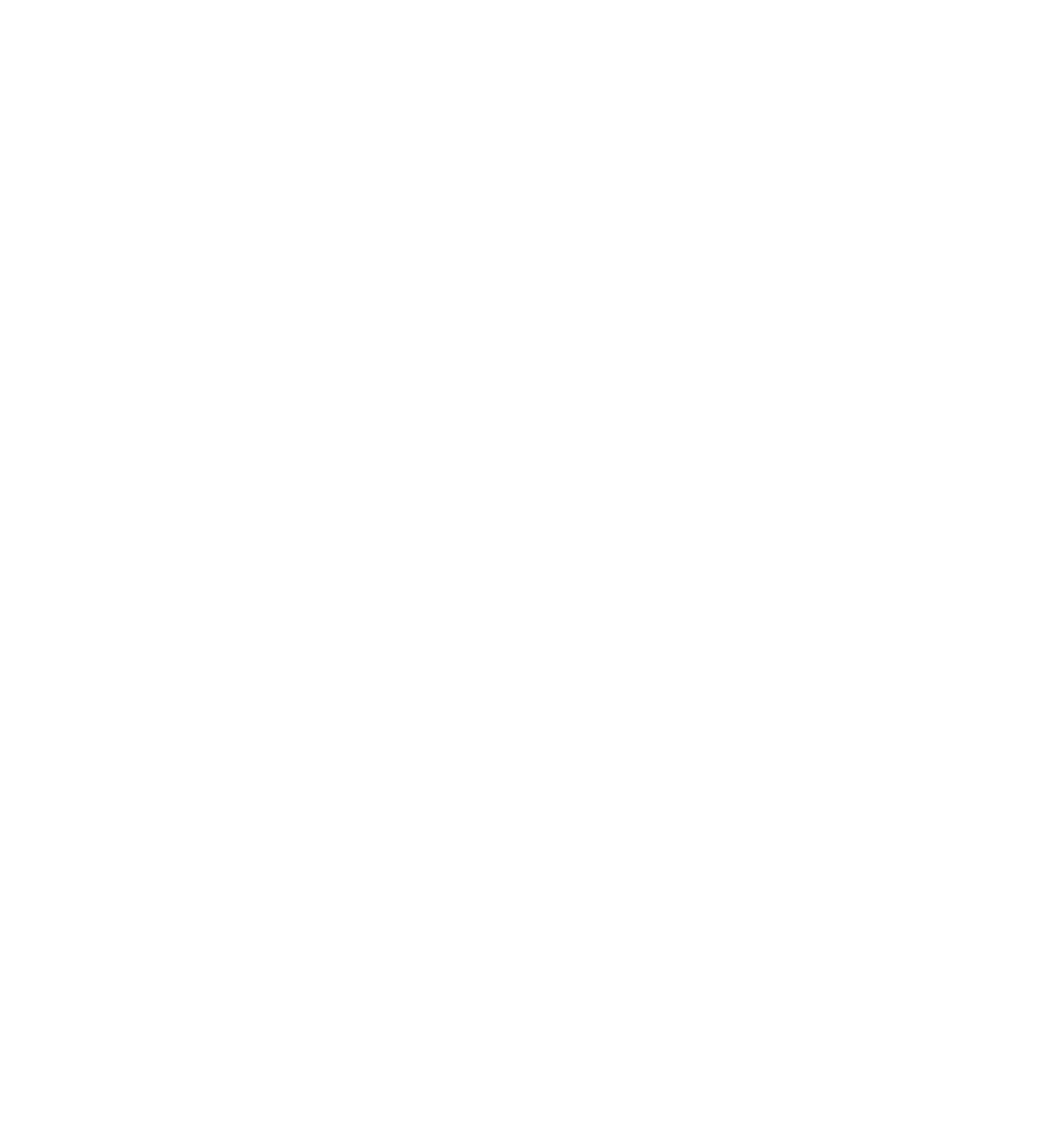
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📅 30-03-1990

📍 175, Ramapuram, Karunagaracheri,

Thiruninravur, Chennai -602024.

 B.E (Mechanical)

** SKILLS**

**Python- backend**

**.** Windows app, web app and android apk

development

**·** API integration

**.** Data handling, ETL

**·** Embedded with Arduino, Pico, raspberry pi

**·** 3D model build and analysis , Automation

**Database**

**.** MySQL, MongoDB, Postgresql

**.** python:pymysql,pymongo,psycopg2

**DevOps**

**.** AWS (code comit,RDS,S3,EC2,EKS ,ECS)

**.** CI/CD-pipeline: Jenkins, Docker, Kubernetes

**.** python: boto3

**Frameworks**

**.** Python (Jinja2): Fast API/Flask/Django

. Node (20): React

**.** Java script/HTML/CSS/jQuery/bootstrap

**Frontend (serverless)**

**.** tkinter, pyqt5/6,kivi,toga,vtk

**Testing**

**.** Pytest, Pydocx, SonarQube

**Management**

.Task management - Jira

. Agile methodology

. Version control - Git

. Monitoring - Grafana

Last updated: 26-06-2022

2011

Diploma in Mechanical Engineering (TOOL & DIE)

*MURUGAPPA POLYTECHNIC COLLEGE*

\* No major Gaps for education and career

\* Started career after Diploma completion and completed Full time Graduation in parallel

\* PF details available for all mentioned experience

Present

**Renault Nissan Technology & business center**

Project Lead*-* CAE – Automation (Python) shift-2

6 months gap wait for results and joining formalities

**Ford Technologies /Payroll: Sathyam venture**

Automation Lead - Automation and Application development

(Python, VBA, Java script)

2018

BE (Mechanical Engineering)

*Anna University- MIT campus*

**BETA CAE Systems/Xitadel Technologies**

Senior CAE analyst- Process Automation & Technical support

(Python)

2022

**Cholamandalam Finance Services**

Senior manager - Web development and API services

(Python, AWS, Java script, RDBMS)

**Renault Nissan Technology & business center**

Trainee*-* CAE- CFD - model building And Automation

(C++/Python)

2010

HSC

2007

SSLC

2005

2013

2017

**ROLES AND RESPONSIBILITIES:**

**Cholamandalam Finance Services:** *(27-jun-2022 to present)*

I have managed a team of five members for a partnership project that encompasses the full journey of loan applications, from BRE validation to collection. We developed supporting backend APIs and frontend interfaces, and we handled data management. Additionally, my team was involved in testing, deployment, and production support. Major technology used- **Python, Fast API.**

**Ford Technologies:** *(02-Jul-2018 to 20-jun-2022)*

My team was involved in the design and development of a CAE product. I managed the entire automation support for my team, focusing primarily on automation for pre-processing, simulation, and post-processing in CAE applications using **Python**. Additionally, I contributed to the development of process automation using **PyQt5** and report automation using **VBA** and **JavaScript** (server less applications). I also acted as a Python trainer for the team.

**BETA CAE Systems India:** *(24-Oct-2016 to 29-Jun-2018)*

Beta CAE Systems is a CAE software provider for the automobile industry. My contributions to the organization include collecting application issues and providing solutions for clients. I was also involved in the development of solutions for the reported issues and worked on plug-in development for the application based on the needs of various industries. I utilized Python for all plug-in developments and provided training in **ANSA**, **META**, and **Python** to CAE engineers.

**Renault Nissan Technology and Business Centre:** *(12-Jul-2011 to 18-Oct-2016)*

I have been involved in **CAE** analysis, including vehicle model building; mesh segregation, and simulation report analysis throughout the full system design life cycle. I also automated model building and simulation report generation using **Python** and **C++.**

**STRENGTH:**

* Self-motivated starter and Ability to learn and handle new technologies.
* Ability to understand requirements and co-ordinate smooth delivery of the project
* Good client facing skills, analytic and problem solving skills.
* Hard working, Sincere, Innovative, Open to learning, Receptive to Challenges.
* Ability to work in a team as well as an individual.
* Interested in new ideas, methods, and development of processes.

**Additional skills:**

**.** VBA, .NET, C++, Qt, HTML/CSS

. Basic knowledge in Angular and react

**Other Tools:**

. ANSA, Hypermesh

. Radtherm , Openfoam

. Meta-Post, Ensight , Paraview

**Embedded:**

. Arduino, Pico, Raspberrypi

**Major python modules used:**

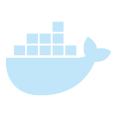
Django,Flask,Fast API, http request, boto3(aws), pymysql, Oracle, pymongo, threading,Qthread,Multi-process, concurrent, cryptography, Pandas, NumPy, matplotlib, pyaudio , pyttsx3, opencv, pyautogui, selenium, people\_also\_ask, face\_recognition, speechrecognition, vtk, pyvista, tkinter, pyqt5/6, Arduino, raspberrypi, pico (micro python), pyserial

**References:**

Linkedin:www.linkedin.com/in/viswanathanl/

Website: [www.visandreams.wix.com/automations](http://www.visandreams.wix.com/automations)

GitHub: github.com/viswavisan

* 

**SAMPLE PROJECTS**

|  |  |
| --- | --- |
| Mobile locking system | |
| Duration :Jul-2024 to Jan 2025 | Location: Cholamandalam |
| Language: Python IDE: VSCode | Major Modules: Flask, requests,mysql. |
| * Mobile locking integration is one of the features developed in Loan application journey of consumer Durable. While EMI period reached, mobile will automatically remind payment due through notification, alarm, wallpaper change, block app, lock mobile based on due date duration. Screen bros Vendor external API integrated for the connectivity to mobile to loan data. * Started project from scratch by using Flask framework and AWS services | |

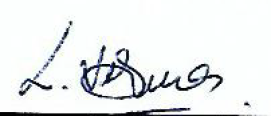
|  |  |
| --- | --- |
| Partner portal- Api services | |
| Duration :Jul-2022 to Jul 2024 | Location: Cholamandalam |
| Language: Python IDE:Pyscripter | Major Modules: Fast API, requests,mysql,mongodb |
| * This tool developed for checking eligibility of customer based on his details * Checks includes Cibil, Sherlock, karza (Pan/Aadhar/DL verification/OCR) * Also supports post disbursal services like repayment, pre-closure, top-up loans, loan cancel * Achieved Award for **short time integration** of code with partner BRD to PROD release **in 4 Weeks**. | |

|  |  |
| --- | --- |
| Simulation Input tool | |
| Duration :Jan-2021 to Jan 2022 | Location: Ford Technologies |
| Language: Python/VBA/VTK/Javascript | Major Modules: pyqt5, vtk, pandas, tkinter,matplotlib,csv,pyvista |
| * This tool developed for case setup and Report generation. * It also exports supporting files for simulation and handling large stl models * It provides feature like 3d model visualization, report generation, plot curves, capture images, Material management, Automatic E-mailing. * Thermal Analysis automation in Radtherm tool in HPC by using python * Post-processing report Automation in Meta-post, Ensight, Paraview by Python * For easy rendering and customized functions | |

|  |  |
| --- | --- |
| ANSA Automation | |
| Duration :Oct-2016 to Jun 2018 | Location: BETA CAE SYSTEMS |
| Language: Python IDE: Pycharm | Major Modules: ansa,meta,guitk |
| * Script for Automatic meshing and Variable wrap for full vehicle in ANSA Achieved **50%** time reduction * Script for Automatic Quality correction and report in ANSA * Full process automation tool for HMIE, RNTBCI, FORD and Tata technologies, etc. * Batch mode scripts and GUI development | |

|  |  |
| --- | --- |
| Data management | |
| Duration :Jan-2015 to Aug 2016 | Location: RNTBCI |
| Language: VBA IDE: BETA-code | Major Modules: |
| * Script for consolidate of Excel sheets and Data management with VBA and formulas. * Share point Automation for data download, upload, processing by VBA. * Created E-checklist with automatic mail and GUI-user forms by Python. * Script-Folder structure/File - copy/delete based on Name/Date * Created application for employee attendance and consolidation dashboard by Python and VBA. | |

**DECLARATION**

I Viswanathan. L, the above furnished statements are correct and true to the best of my knowledge.

Date:

Place: Chennai. (Viswanathan. L