

# PONMANI LOKESH S

TCS, SYSTEM ENGINEER

## CONTACT DETAIL:

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**Location:** Chennai, TN 600 082

## Technical Skill:

- Python
- My SQL
- Django
- Rest Framework
- Pandas,Numpy,Matplotlib
- Agile Methodology
- Git

## Other Technologies Used:

- ANSA
- HyperMesh
- MeshWorks

## SOFT SKILLS:

- Good in Communication
- Logical thinking
- Deep analysis of Problem
- Team Player
- Self-Learner

## PROFESSIONAL SUMMARY:

Diligent Software Engineer with 5+ years of experience working with Python and its different modules in Web Development ,CAE software and independent tool development in CAE industry. Highly motivated toward learning new things and explore myself with new technologies. Experience in Python, Django, MySQL, CAE Software.

## WORK EXPERIENCE:

### Tata Consultancy Service (TCS), Bangalore

System Engineer, May 2021 to Present

Project: Python Developer

#### Description:

Developed Web applications that supports Tool library and Feedback Forum for customers.

#### Responsibilities:

- Gather information from stack holder and list them out as requirements.
- To develop web application in Python using Django.
- Provided Back end support for Feed Forum and Tool library development.
- Creating simple HTML for front end development.
- Integrating HTML and CSS files with existing application.
- Creating Rest API's for developed web application.

Tech Stack: Python 3.x, Django, Rest framework, MySQL, Git

### DEP India Pvt Ltd., Chennai,

Project Engineer, November 2020 to May 2021

Project: Python Developer

#### Description:

Learned and Worked in Web application development Using Django Rest framework.

#### Responsibilities:

- Utilized Django for CRUD operation in MySQL.
- Using Django Rest framework Creating GET,POST API's for the Website.
- Using Django Serializer to collect data from the database.

Tech Stack: Python 3.x, Django, Rest framework, MySQL, Git

**Project Engineer**, March 2018 to October 2020

**Project:** Product and Tool Developer

**Description:**

Develop tools that supports delivering and Analysis model using CAE software and developing independent tool.

**Responsibilities:**

- Gather information from stack holder and list them out as requirements.
- To develop application or tool in Python using ANSA API's.
- Worked in assigning material for Vehicle by querying required data from SQL database.
- Developed User Interface using PyQt for front end user inputs.
- Utilized Pandas for data handling in CSV.

**Tech Stack:** Python 3.x ,ANSA, Pandas,Numpy,Matplotlib,Git

**Associate Project Engineer**, March 2017 to March 2018

**Project:** Product and Tool Developer

**Description:**

MeshWorks is a CAE Software that supports all processes to deliver a FE model for Analysis.

**Responsibilities:**

- Using Python developed Independent tools for MeshWorks which are successfully launched and used by the customer.
- Developed application that can calculate and produce Latin Hypercube sampling for user data in CSV.
- Developed tools like Associative modeller, CAD rib creation, Crankshaft modeller as a part of MeshWorks Software tool development.

**Tech Stack:** Python 2.x and above ,MeshWorks,Git

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## **EDUCATION QUALIFICATION:**

**Sree Sashta College of Engineering - B.E. Mechanical Engg – 78 %**

**Project:** It was titled "Performance and emission character of Hydrogen Blended Fuel Engine" using two stroke petrol engines.

**Periyar Mat Hr Sec School - SSLC - 84.2 % | HSC – 86.3 %**

**Schooling:** Completed my 10<sup>th</sup> and 12<sup>th</sup> Standard with more than 80% in both curriculum.