

Purva Deshmukh

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Software Engineer at Shyena Tech Yarns Pvt.Ltd

SUMMARY

Currently working at Shyena Tech Yarns. Pvt. Ltd., having 2.5 years of working experience in various technologies like Python, cloud computing(AWS, Azure), Flask, SQL, MongoDB. I have good knowledge of data processing with Python pandas and preparing dataset for development of reports and charts. I have also worked on a few Machine learning and Deep learning projects.

TECHNICAL SKILLS

Programming Languages
Data Analysis
ML Toolbox
Cloud Platforms
Knowledge of Agile Methodology
Version Control Tool

Python, SQL
Pandas, Matplotlib, Numpy
Sklearn, SciPy, Tensorflow
AWS, Azure
JIRA
GITHUB

PROFESSIONAL EXPERIENCE

Software Engineer Nov '18 - Present
Shyena Tech Yarns Pvt. Ltd. Pune

Client :- Honeywell Automation India Ltd.

Jul 2019 - Present

- Worked on a project to detect different types of Equipment and Instrumentation symbols in the Piping and Instrumentation (PNID) Diagram using **Tensorflow's Object detection API and FRCNN deep learning model**
- Designed **module in python** to extract Data related to equipment (names, numbers, unique tag identifiers) from pdf files and saving it in Excel files. This improved proficiency of the task by 80%
- Provided support and development of existing tools build in **Excel and VBA** which were used in data pipelines and data analysis.
- Designed an **online Orchestration service in python** to automate the process of extracting data from historized database, performing calculation and analyzing stability of plant and writing results back into database.
- Good knowledge of developing **REST API's**.

Client :- Indicus Software.

April '19 - Jun '19

- Worked on a project which involved migration of sensor & alarm data in JSON format stored in **AWS S3**. This data is then loaded into **AWS Elasticsearch using Logstash**.
- Implemented performance optimization to migrate data at the rate of **3 minutes per GB** on **aws t2.medium instance**. The client team took 1 hour to migrate 1 GB data
- Developed **python scripts** for Data cleansing and validation.

Client :- A platform offering from Shyena Tech Yarns (Piloted for 2 clients)

Nov '18 - March '19

- Worked on project which involved building various modules for Industrial IOT platform
- Used **time series database** to store IOT event data. Used **Graphana charting library** to visualize it
- Familiar with **Tableau charting software** which was used to generate OEE dashboard.
- Developed modules like Asset management, Issue and maintenance details capture modules in python web framework **Flask, HTML, CSS and Postgres SQL database ,MongoDB**.

CERTIFICATIONS/TRAINING

Microsoft Azure Fundamentals | Microsoft | August 2020

Earning of the Azure Fundamentals certification demonstrates foundational level knowledge of cloud services and how those services are provided with Microsoft Azure.

PROJECTS

DIGITS AND CHARACTER RECOGNITION using Machine Learning

- Performed different pre-processing methods like noise removal, resizing, thresholding on the images taken by camera to extract its features using Open CV module in python.
- Collected suitable dataset of characters and digits and compare it with the given features of image
- Implemented SVM and CNN machine learning Algorithms and compared their Accuracy on same set of data

EDUCATION

Bachelor of Engineering in Electronics and Telecommunication

Aug '14 - Jun '18

Pune Institute of Computer Technology

Pune,Maharashtra

CGPA :- 6.7/10

Class XII - 87.6% Kendriya Vidyalaya D.I.A.T. Pune

March'13 - Mar'2014

Class X - 86.5% Kendriya Vidyalaya D.I.A.T. Pune

March'11 - Mar'2012