

Swapnil S. Chavan

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Master of Engineering from Pune University

Career Objective:

- Looking for an excellent opportunity to work in IT where my talent, knowledge and time can be best utilized for the development of an organization.

Professional Summary:

- Overall, **5+ years** of IT experience in **developing, delivering** projects in several technologies of **Artificial Intelligence, Machine Learning, Deep Learning and Python applications**
- Good knowledge in **Healthcare, Fintech, Banking domains**
- Expertise in manipulating and analyzing **complex, high-volume, high dimensional data** from varying data sources
- Proficient in **feature engineering, feature selection** in r and python
- Have experience of working in **Iterative Agile Projects**- excellent understanding of all phases of Software Development Life Cycle (SDLC) from project definition to post- deployment
- Experience in resolving defects and handling difficult situations

Technical Skills:

Programming Languages: Python, R, JavaScript, Scala.

Frameworks: FastAPI, Flask, Django.

Databases: MySQL, SQL (Basics), PostgreSQL, MongoDB.

IDE: VS code, Spyder, PyCharm, Jupyter Notebook.

Repository: Tortoise SVN, Git.

Web Technologies: **HTML 5**, REST Web Services.

Cloud Services: Microsoft Azure Data Scientist, AWS (EC2, Batch, Lambda function, Database, IMS).

AI Technologies and Algorithms: NLP, OCR, Neural Networks, Classification and Regression Machine Learning Model, Deep learning, computer vision.

Others: OOPS concepts, Data structures, Collections.

Tools: Docker, Kubernetes, Databricks, Unix scripting, Weka, Microsoft Power BI, Tableau.

Educational Qualification:

Qualification	University/Board	Year	Percentage
M. E	Pune University (SSOE, Pune)	2016	7.88 C.G.P.A
B.E.	Pune University (SAOE, Pune)	2013	66.14%
Diploma	BVJNIOT, Pune	2010	84.19%

Professional Experience:

Organization	Aress Software
Tenure	26 th October 2020 – Present
Designation	Senior Data Analyst and Data Scientist
Organization	Fullness
Tenure	02 nd March 2020 – 13 th May 2020
Designation	Application Development Analyst
Organization	Innovatus Technologies
Tenure	17 th October 2016 – 28 th February 2020
Designation	Software Engineer and Data Analyst

Projects:

1. Nx C Automation

Technologies/library used: Python, NLP, pytest, AWS RDS MySQL.

Team size: 6

Responsibilities: Developed automation from scratch starting of writing Python script to creating containerized solution. Wrote the script to scrap the data from Salesforce submission and put that data into AWS RDS. Wrote the script to consume provided lenders API with Python scripts. Wrote the test framework in pytest for the project.

2. DxT NLP Engine

Technologies/library used: Python, NLP, Textract, Keras, Spacy.

Team size: 3

Responsibilities: Involved in development of NLP engine to scrape the product and quantity for structure and semi structure file formats. Involved in the development of front-end as well as writing the API, Backend. Involve in the deployment of the project on Azure with Azure web services.

3. Facial recognition engine for touchless attendance

Technologies/library used: Python and different deep learning frameworks like Pytorch, Keras, Tensorflow, OpenCV.

Team size: 4

Responsibilities: Involved in the development of backend of the attendance app. Prepared the machine learning model for attendance of employee in python also prepared classification model for mask detection. Involved in the development of module which takes the image as an input and mark the attendance of the employee on the attendance employee assessment portal.

4. Chatbot for Agriculture domain (VermiGxxd)

Technologies/library used: Python, Flask, NLTK, Tensorflow, chatterbot.

Team size: 2

Responsibilities: Involved in the development of a chatbot for agriculture fertilizers. Based on provided question/answer and diagram we prepared the chatbot. All the chats are stored in G-drive. After this project, we prepared a generalized solution for a static chatbot.

5. Salesforce CRM Automation.

Technologies/library used: Python, BS4, requests, Salesforce API, lxml, Polyfuzz, TF-IDF, simple salesforce.

Team size: 6

Responsibilities: Involved in developing a standalone application where script are scraping data from email and put that data into Salesforce as per conditions provided by clients with the help of python and Salesforce API's.

Certification:

- Microsoft Azure Data Scientist Associate (DP-100).
- Apache Spark (TM) SQL for Data Analysts.

Achievements:

- Received an appreciation as a Star performer from client.
- Reviewer of the problem statement, Idea evaluator, and Mentor (Domain specialist/ Technical specialist) for Aress Hackathon 2022.