

# PRASAD PATHAK

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## Career Objective

To pursue a career with a growing company to further develop my skills and utilize my knowledge continuing my personal and professional growth.

## Summary

- 2+ year of experience as a Senior System Engineer.
- Hands-on experience with **machine learning**, data mining with large datasets of structured and unstructured data, data validation, and data visualization.
- Experienced in writing SQL queries, sub queries, views, procedures and Data visualization with **Tableau**.
- Working knowledge of **NLP, Deep Learning**, ANN, Reinforcement learning and Auto Encoders, **YOLO**.

## Technical Skills

Programming & Scripting Languages: **R, Python**, Spark, Scala

Database: My-SQL, **Mongo DB**, PL-SQL, Postgres

Libraries: **Scikit-Learn**, TensorFlow, Py-torch, NumPy, Pandas, Matplotlib

Visualization: Tableau, Jupyter Notebook, **MS Excel**

## Work experience

**Senior Systems Engineer, Infosys, Pune, Nov 2020 – Present**

### **Project 1: Regulatory Development Tracking (UBS limited)**

- Machine Learning model development with **python FAST API** and Data base Integration with model.
- Data extraction and **data analysis** for the required data metrics were automated.
- Designing, implementing, and managing the SQL analytical database environment for reporting.
- Database manipulation in Sybase, **Postgres** SQL, PLSQL and MySQL.
- Data migration between ORACLE and POSTGRES SQL using **Informatica** with all necessary **ETL** of the data
- Worked on Relational Database for Data driven application.

### **Project 2: Development of Human Service (DHS Australia Government)**

- Developed Data APIs using NodeJS and Express.

**Data science (Internship), The Sparks Foundation, Nashik**

- I worked on data cleaning and reshaping, generating segmented subsets with NumPy and Pandas.
- Data analysis reports were generated using Matplotlib and Tableau, and the results were successfully delivered and presented.

## Education

- Bachelors in **Mechanical engineering** at Savitribai Phule, Pune University, 2020.
- Diploma in Mechanical Engineering at Maharashtra State Board of Technical Education, 2017.

## Projects

- Image recognition using **Deep Neural Network and CNN**.
- Sentiment Analysis and Text Analysis (**NLP**) with Scikit Learn, RNN and Transformers.
- Object Detection in **ComputerVision**, by leveraging Machine Learning and Deep Learning.

## Certification

- IBM Certified **Data Science and Machine Learning** course from Star Agile Institute (Bangalore).
- Professional Data Scientist certificate and AI Certified Badge from Infosys