

# Shivanand Ekatpure

## Data Science Professional

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### Profile

- Data Science Professional with **2+ years** of experience in data visualization, data processing, data mining, machine learning algorithms to solve challenging business problems.
- **Total 9+ years** of extensive experience in various platforms like data analysis, Machine Learning, Education and Infrastructure sector.

### Skills

**Python** (OOPS, Numpy, Pandas)

**SQL** (mysql)

**NoSQL** (MongoDB)

**Statistics**

**Predictive Medelling**

**Machine Learning** (Classification, Regression, Clustering)

**Data Visualization** (matplotlib, seaborn)

**Web Scrapping** (bs4, requests, selenium)

**API Framework** (Flask)

**Cloud Platforms** (AWS, Azure)

**GIT**

### Projects

#### Prediction of Compressive Strength of Concrete

- Aim: To build regression model to save a lot of time and effort to estimate how much quantity of which raw material we need for prediction of acceptable compressive strength.
- Approach: Data Validation, Data Ingestion, Data Preprocessing, Clustering, Model Training, Selecting Best model, Deployment
- Domain : Infrastructure
- Database: mysql, mongoDB
- Tools used: Linear Regression, Random forest, KMeans for creating clusters
- Deployment: AWS

#### Early Detection of Thyroid Disease and its Type

- Aim: To build a classification methodology to predict the early detection of Thyroid and if detected then what is type of Thyroid to prioritise treatment and reduce Doctor's time.
- Domain : Healthcare
- Database: mysql, MongoDB
- Dataset: 30 attributes, 22000 instances
- Datatype: Numerical and categorical
- Tools used: XG Boost, Random Forest, KMeans for Clustering
- Deployment: Azure

#### Prediction of Default for Credit Card

- Aim: To predict whether customer will default credit card payment or not based on available customers
- Number of Instances: 32000
- Number of Attributes: 25
- Domain: Banking
- Database: mysql
- Tools used: Naive Bayes, XG Boost, K Means for clustering
- Deployment: AWS

## Professional Experience

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### Machine Learning Intern

05/2022 – present

iNeuron Intelligence Pvt. Ltd.

- Create high level, low level document design for project
- Create Architecture document design
- Create detailed project report
- Contribute in projects, product development as per guidance of senior data scientists
- Develop POCs as per company standards

### Data Science Professional

09/2020 – 05/2022

- Analyze unorganized data, assessing quality, cleansing, structuring for management review and design accurate and scalable prediction algorithms.
- To explore data and identify data transformation and data mining needs for targeted applications.
- To develop algorithms and predictive models to derive analysis and business value from data sets through classification, clustering and regression.
- Built a data extraction tool

### Assistant Professor

12/2017 – 05/2020

Sinhgad Academy of Engineering, Kondhwa, Pune

- Data gathering of potential students taking admission
- Data analysis of students performance
- Students Placement prediction using past performance
- Students' result analysis to identify college topper, subject topper, university topper, total number of passed students, total failed students, subject wise faculty performance

### Assistant Professor

07/2016 – 12/2017

PVPIT, Bavdhan, Pune

- Data collection from various events, organized by institute for targeted students to take admission in our institute
- Data analysis of students data to predict strong students, weak students and take necessary steps
- Data driven decision making to implement requirements of support for students to outperform in academics, curricular and extra curricular activities
- Parents feedback analysis and informing to higher authorities for further actions

### Design Engineer

08/2013 – 07/2016

Engineering Creations Consultancy, India Pvt. Ltd., Pune.

- Prediction of strength of concrete structures using various data of materials, member sizes, variety of soil conditions, different sizes of members
- Coordination with team for in time delivery of drawings as per client deadline

## Education

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### BE(Civil Engineering)

Government College of Engineering, Karad, Maharashtra

### ME(Civil-Structures)

Government College of Engineering, Karad, Maharashtra

## Courses

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### Python for Data Science and Machine Learning Bootcamp

NumPy, Pandas, Matplotlib, Seaborn, Plotly, Scikit-Learn, Machine Learning

### Full Stack Data Science

Python, Machine Learning, Deep Learning, Computer Vision, NLP, SQL, NoSQL