

Bhagyashri Ghalme

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PROFESSIONAL SNAPSHOT

Seeking to work with a progressive organization where I can contribute my ideas, skills, time, knowledge and abilities in areas of design, development, sells and in return I want recognition from company.

PROFESSIONAL SUMMARY

- ✓ Excellent understanding of machine learning techniques and algorithms, such as k-NN, Naive Bayes, SVM, Decision Forests, etc.
- ✓ Experience with common data science toolkits, such as Anaconda, NumPy, MatLab, Pandas, Seaborn, SciKit-Learn, NLTK, etc. Excellence in at least one of these is highly desirable
- ✓ Great communication & interpersonal skills
- ✓ Good applied statistics skills, such as distributions, statistical testing, regression, etc.
- ✓ Good scripting and programming skills

SKILL SET

Machine Learning and Data Science:

- ✓ **Machine learning:** Linear Regression, Ridge & Lasso Regression, Logistic Regression, Naïve Bayes Classifier, k Nearest Neighbor's Classifier, Support Vector Machine, Decision Tree, Random Forest, Gradient Descent, Ada-Boost, Gradient Boosting, XGBoost, K-means Clustering.
- ✓ **Deep Learning:** Neural Networks, ANN, CNN, DNN, Transfer Learning, Back Propagation, Tensorflow 2.x, Keras
- ✓ **Text Processing:** NLTK, Term Frequency-Inverse Document Frequency (TF-IDF), Word2Vec, Bag of Words. nltk, spacy, gensim, textblob, langdetect, googletrans, doc2vec, sent2vec, keyphrase extraction
- ✓ **Python/ML Packages:** Numpy, Panads, Sci-py, Scikit-learn, Seaborn, Matplotlib, Flask.
- ✓ **Time-Series Analysis:** ARMA, ARIMA, SARMAX models for time series data analysis.

Supporting Technologies:

- ✓ **Languages:** Python, SQL, MongoDB
- ✓ **Cloud Platforms/Services:** AWS (EC2, Sagemaker, Notebook instance, AWS container, S3, Multi-cloud environment, Deployment), JIRA, GITHUB
- ✓ **Web stack:** Flask, Postman
- ✓ **Operating Systems:** Linux, Windows.
- ✓ **Database:** SQL, MongoDB, 3C(Command, Constrains, Clauses), CRUD operations, Subqueries, Window functions, Joins

PROFESSIONAL WORK EXPERIENCE

- **Organization** : BVG INDIA.Ltd
- **Designation** : ERO(Emergency Response Officer)
- **Duration** : 22 Sept 2014 to 25 March 2015.
- **Location** : Pune.

- **Organization** : Wipro
- **Designation** : Associate.
- **Duration** : 8th June 2015 to 17 Oct 2016.
- **Location** : Pune.

- **Organization** : De Paul Public School(CBSE) Shrirampur
- **Designation** : IT Teacher.
- **Duration** : 1st June 2021 to 30th April 2023
- **Location** : Shrirampur.

ACADEMIC

- **M.Sc(Computer Science)** | 2019 | Ravbahadur Narayanrao Borawake College, Shrirampur | 72.56%
 - **B.Sc (Computer Science)** |2014 | New Arts,Commerce & Science College,Ahmednagar | 58.31%
 - **HSC** |2011 | MP Bhopal Board | 62%
 - **SSC** |2009 | MP Bhopal Board | 86.76%
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PROJECT DETAILS

Project 1 : Water Pump Functionality Prediction

Domain : Mechanical

Description: The one country was going through an issue regarding water Pump functionality to their engineer. The government through the Ministry of Water aims at resolving the water crisis in the country by maintaining and repairing the water pumps in time. Its Engineers however have a hard time achieving this objective because there is no way to tell which water pumps are currently non functional or are about to fail. The project therefore, aims at developing a model that predicts the functionality status of the water pumps in country. The model created will enable the country Ministry of Water to improve the maintenance operations its water pumps.

Responsibilities:

- Identify Solve interesting problems involving rich datasets in various domains.
- Build scalable, highly performance infrastructure for delivering clear business insights from a variety of raw data sources.
- Responsible for the delivery of a robust scalable data architecture that meets the business goals of the organization.
- Be in constant communication with team members and other relevant parties and convey results efficiently and clearly.

Project 2 : Defect Detection of castings

Domain : Mechanical

Description: This model explores automation of visual inspection with computer vision. A deep learning model called convolutional neural networks (CNN) is created to distinguish images of defective or non-defective.

Responsibilities:

- Develop batch & real-time analytical solutions, prototypes, and proofs of concept for selected solutions. Build frameworks and tools to empower our data scientists and analysts.
 - Actively handle escalated incidents to resolution and suggest solutions to limit future exposure.
 - Participate in Code Review and process improvement.
 - Quick learning curve in coming to a deeper understanding of the business processes
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PERSONAL MINUTAE

- **Father's Name:**-Navnath Sagaji Ghalme.
- **Mother's Name:**-Ranjana Navnath Ghalme.
- **Date of Birth** :- 10 April 1994
- **Nationality** :-Indian
- **Marital Status:**-Married
- **Permanent address** :-Ramkrushnanagar,Newasa Road,Shirasgoan,Shrirampur,Ahmednagar.