Dr. Shrishail Gajbhar

https://shrishailsgajbhar.github.io
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SKILLS

PROGRAMMING
Python, Java, C, C++, MATLAB

MACHINE LEARNING
Applied Statistics
Data Visualization
Supervised Learning
Unsupervised Learning
Ensemble Techniques
Feature Engineering
Model Selection & Tuning
Recommendation Systems

COMPUTER VISION
Image Segmentation
Image Classification
Object Detection & Tracking
Object Recognition

DEEP LEARNING
Artificial Neural networks
Convolutional Neural Networks
Transfer Learning
Sequence Models

EDUCATION

POST GRADUATE PROGRAM IN MACHINE LEARNING (PGP-ML)
Great Lakes Executive Learning
June 2020

DOCTOR OF PHILOSOPHY
DA-IICT, Gandhinagar
December 2017 | Gujarat, India
Thesis: **Wavelets and filter banks: novel approaches for real and complex-valued transform designs**

M.TECH., INSTRUMENTATION
SGGSIE&T, Nanded
June 2011 | Maharastra, India

B.TECH., ELE. & TELECOMM.
SGGSIE&T, Nanded
May 2008 | Maharastra, India

LINKS

Github:// **ShrishailSGajbhar**
LinkedIn:// **shrishailgajbhar**
Kaggle:// **shrishailgajbhar**
HackerRank:// **shrishailgajbha1**
E-Portfolio:// **dr–shrishail-sharad-gajbhar**

EXPERIENCE

WIT | Assistant Professor
July 2017 – till date | Solapur, Maharashtra
- Working as assistant professor in department of Information Technology.
- Subjects taught: Artificial Intelligence, Machine Learning, IoT, Python, Java

DA-IICT | Teaching Assistant
July 2012 – June 2017 | Gandhinagar, Gujarat
- Conducted lab sessions for subjects: Advanced DSP, Signals and Systems, Statistical Communication Theory, Modelling and Simulation.

DA-IICT | Junior Research Fellow
July 2011 – June 2012 | Gandhinagar, Gujarat
- Worked on project "Immersive Navigation for a Walk-through Application" funded by Department of Science and Technology (DST), Govt. of India.

PROJECTS

PGP-ML PROJECTS:
- Statistical analysis of health insurance data (Skills: Hypothesis Testing, Data Visualisation, Statistical Inference)
- Identifying potential customers for loans (Skills: Logistic Regression, KNN, Classification)
- Predicting the term-deposit subscription (Skills: Classification, Decision Trees, Ensemble Techniques)
- Classifying silhouettes of vehicles (Skills: Support Vector Machines, Clustering, Principal Component Analysis, Classification)
- Predicting the strength of high performance concrete (Skills: Regression, Decision trees, feature engineering, Hyperparameter Tuning)
- Product recommendation systems (Skills: Collaborative Filtering)
- Housing price prediction (Skills: Linear regression, Supervised Learning, Ensemble Techniques, Model Selection, Hyperparameter Tuning)

KAGGLE PROJECTS:
- Predict Future Sales (Skills: Time Series Analysis, Data Visualization, Mean Encoding, Ensemble methods)
- Categorical Feature Encoding Challenge II (Skills: Classification)

OTHER SKILLS:

Libraries: NumPy, Pandas, OpenCV, scikit-learn, matplotlib, SciPy
Frameworks: Keras, TensorFlow, PyTorch, Flask
Version Control: Git, GitHub

CERTIFICATES:

SPECIALIZATION:
- TensorFlow in practice - Coursera

COURSES:
- How to Win a Data Science Competition: Learn from Top Kagglers - Coursera
- Data Science Math Skills - Coursera
- Getting Started with AWS Machine Learning - Coursera
- AWS Machine Learning Foundations Course - Udacity