Vishal Golcha

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EDUCATION

BITS,PILANI

CGPA 7.8
B.E. COMPUTER SCIENCE
M.Sc. PHYSICS
Aug 2014- June 2019

COURSEWORK

Artificial Intelligence
Data Structures and Algorithms
Operating Systems
Udacity Deep Learning Nanodegree
Graduate
Object Oriented Programming
Neural Networks and Fuzzy Logic
Machine Learning
Quantum Computing
Quantum Mechanics
Computational Physics

LINKS

GitHub:// **vishalgolcha**
Blog : // **Vishal's Blog**
LinkedIn:// **vishal-golcha**

COMPETITIVE PROFILES

Codeforces:// **v_geta**
HackerRank:// **vishalgolcha**

SKILLS

PROGRAMMING

Well versed
C++ • Python• JAVA

Familiar
Ruby•Ruby on Rails

ML Libs and Frameworks
Pandas•Numpy
Sci-Kit Learn•OpenCV
TensorFlow • Pytorch

LEADERSHIP

PRESIDENT, NIRMAAN
www.nirmaan.org

• Led a group of 120+ people to bring about changes in villages nearby Pilani .

• Taught village kids and led a team for the same.

EXPERIENCE

YRALS |Software Engineering Intern
May 2016 – July 2016 | Mumbai ,India
- Image Suggestion Tool for GIST .
- Worked on a recommendation system for automated video creation primarily based on tagging popular named entities to their respective images.

RELIANCE JIO |Data Science Intern
Jan 2019 – June 2019 | Bangalore ,India
- User Data Segmentation .
- User Data Segmentation for Advertisement Suggestion using Natural Language Processing Models.
- Computer Vision Applications for Reliance Stores.

COGOPORT |Software Development Engineer
July 2019 – Present | Mumbai ,India
- Backend Developer -Ruby on Rails, GraphQL, PostgreSQL, Redis .

SELECTED PROJECTS

COMPILER CONSTRUCTION Course Project|2018
- Cython like compiler creation with lexer, parse tree , abstract syntax tree creation.
- Project Link

ASL USING HIDDEN MARKOV MODELS Jan-Feb |2018
- Hidden Markov Models used for prediction of American Sign Language.
- Video used as a time series input for detecting signs .
- Project Link

SPEED SIGN DETECTOR | Kaggle Competition
- The competetion involved detecting speed limit signs from a dataset given by Map My India .
- A 3-layer Histogram of Oriented Gradients based approach was used to predict bounding boxes for speed signs in images.
- Github Link

QUANTUM COMPUTATION
- Imaginary Time Propagation to calculate ground state Energy of Hydrogen like molecules

ADDITIONAL PROJECTS | Blog
- Details about all the projects done during the course of the college.
- Project Link

COURSE CERTIFICATIONS

UDACITY
- Deep learning Nanodegree| Artificial Intelligence Nano Degree Term 1

COURSERA
- Rice University Distributed Computing Specialization(Ongoing)

AWARDS

2018   Winner Mantra Award by BITSAA for Social Leadership
2011   Runner Up at TCS IT WIZ,Delhi,India
2011   Winner at Times Of India Fundamental Quiz