ARCHISHA CHANDEL

• COMPUTER ENGINEER •

EDUCATION

Bachelor of Engineering in Computer Engineering — 2016 - 2020

Bharati Vidyapeeth College of Engineering, Navi Mumbai

Higher Secondary Education — 2014 - 2016

Khar Education Society's Junior College of Science, Mumbai

Secondary Education — 2008 - 2014

P.G. Garodia School (I.C.S.E), Mumbai

EXPERIENCE

GirlScript Foundation, India — Jun 2020 - Aug 2020

AI Mentor for The Uplift Project

A global-remote initiative for people worldwide providing a platform for like-minded individuals to meet, share and learn about topics that interest them

- Guided 15 students working on the project 'Detecting Insincere Questions on Quora'
- Discussed the implementation of deep learning algorithms and neural networks
- Conducted lectures on 'Machine Learning Techniques and Algorithms' and 'Deep Learning'
- Achievement: Successful completion of the project through acts of strong leadership, supervision and team work

Mozilla — Mar 2020 - May 2020

Open Source Contributor for PRESC

PRESC is a toolkit for the evaluation of machine learning classification models

- Exhaustive research, study and experimentation on model suitability and evaluation techniques
- Comprehensive report development on metrics to determine the confidence in selection of the model and its parameters for a particular dataset
- Constant problem-solving approach emendation under the guidance of mentors
- Top 3 contributor during the given contribution period

Tvarit GmbH, Germany — Dec 2019 - Feb 2020

Machine Learning Engineer

Provides fast and customized solutions for all manufacturing problems and data science needs. Selected through the hiring challenge organized as a part of a Winter Internship application procedure

- Expanded the AI Platform through development and integration of 5 machine learning algorithms
- Wrote unit tests and integration tests to increase the robustness of AI Platform
- Created dashboards using Grafana for visualization of results obtained during integration of the algorithms
- Developed a model to predict the ambient conditions required in various sections of a store depending on customer frequency to maximize profits
- Achievement: Algorithms and dashboards developed are being used as a part of the AI platform and successful on-time completion and delivery of all the aspects of the project

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PROJECTS

Artificially Intelligent Game Bot — May 2019 - May 2020

Final Year Project

- Understood the efficiency of algorithms used in an artificially intelligent game bot trained to play Mario using OpenCV and TFLearn on top of TensorFlow
- Participated in an Intra-college Technical Paper Presentation Contest to explain the experimentation work done with audience of about 200. Awarded second prize for the same

Computer Pointer Controller — May 2020 - Jun 2020

Edge Application

- Several models working together, each one covering a needed functionality to control the pointer depending on the facial features extracted, e.g. gaze estimation, head pose estimation, face detection

AIDL Hackathon — Mar 2020

Unifynd

Worked in a team to extract information from bill/invoice (image) using deep learning algorithms

- Using Python-tesseract for image segmentation and conversion to text
- Recognition of text fields using NLP techniques

People Counter App — Feb 2020 - Mar 2020

Edge Application

- The app detects people in a designated area, providing the number of people in the frame, average duration of people in frame and total count built using Intel® Distribution of OpenVINO™ Toolkit

Prediction of Ideal Ambient Setting for Retail Store — Jan 2020 - Feb 2020

Machine Learning Application

- Ambient settings- temperature, humidity, air pressure and luminescence were evaluated for 3 different retail stores
- Ideal range was predicted in order to optimize the basket size at any given time of the day for each store

HumAIn — Jul 2019 - Oct 2019

Tata Consultancy Services

- Quarter-finalist in the national-level AI competition solving a natural language processing based problem statement proposed by StackOverflow on tag prediction

SKILLS

Git
Python
Deep Learning
Computer Vision
TensorFlow
3D-Animation
Reinforcement Learning
Speech Recognition
Apache Spark MLib
Natural Language Processing

INTERESTS

Reading
Graphic Art
Mentoring

ONLINE COURSES

TensorFlow Developer Professional Certificate
Specialization course from Deeplearning.ai, Coursera
Scalable Machine Learning on Big Data using Apache Spark
IBM, Coursera

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