

ARCHISHA CHANDEL

+(91) 7021754504 | chandelarchisha@gmail.com | Mumbai, Maharashtra, India

ACADEMIA

University of Mumbai | Bharati Vidyapeeth College of Engineering

2016-2020

B.E. in Computer Engineering

GPA: 8.0/10.0

- Degree focus in Data Structures & Algorithms, AI/ML Applications and Engineering Mathematics
- AIDL Hackathon by Unifynd | Extracting information from bill/invoice (image) using deep learning algorithms
- HumAIn by TCS | Quarter-finalist in the national-level AI competition solving a taxonomy creation problem by StackOverflow on tag prediction

Data Science Masters Program | GreyAtom

2019-2020

- Coursework in Machine Learning concepts, Industrial Application using AI, Deep Learning, NLP and a Final Capstone Project

WORK EXPERIENCE

Fractal Analytics | Multinational AI company helping global Fortune 100 companies power every human decision

Data Scientist

Sept '21-Present

- Researched approaches to synthesize data to solve data quantity and quality limitations using GANs
- Model development and stability check for campaigns in finance industry
- Analyzing and visualizing PPGs trends, and understanding how factors contribute to their sales

Tessact Pvt Ltd | AI company, assisting the transformation of businesses through innovative video recognition technologies

Research Scientist

Feb '21-Sept '21

- Discovered approaches to solve TV content compliance problem, and maintain database and backend. Improved baseline model performance to 60% and added 40% increase in the diversity and range of features provided by the analytics platform
- Articulated thesis and articles on the system of models developed
- Managed Smart Video Analytics, a product that redefines media production, digital advertising, consumer experience and content analytics

AI Monk Labs Pvt Ltd | Building CV-Tricks, a blog platform providing practical methods used in computer vision solutions

Machine Learning Engineer

Jan '21-Feb '21

- Researched on concepts of image classification, data imbalance, implementation and limitations of ResNet and EfficientNet
- Articulated proof of concepts performed on real-world datasets

Mozilla | Project PRESC, a toolkit for the evaluation of machine learning classification models

Open-Source Contributor Experience

Feb '20-May '20

- Exhaustive research, experimentation and report development on model suitability and evaluation techniques
- Independent problem-solving approach emended under the guidance of industry experts
- Within the top 3 contributors during the contribution period

Tvarit GmbH | Solutions for all manufacturing problems and data science needs

Machine Learning Engineer

Dec '19-Feb '20

- Expanded the AI Platform through development and integration of algorithms with their unit and integration tests
- Built business value dashboards using Grafana, presented technical reports, prototyped solutions
- Developed advanced Python algorithms, pre-processing data, testing hypotheses using statistical means
- Project on prediction of ambient conditions in a retail store to maximize profits, customer segmentation and price optimization

VOLUNTEER EXPERIENCE

Toastmasters International | Nonprofit educational organization that teaches public speaking and leadership skills

Club President

Jan '22-Jun '22

- Elected as President for the Fractal Toastmasters Club out of 55+ members
- Winner of International Speech Contest at the Club and Area level
- Helped the club achieve Distinguished Club title

Upwork | Freelancing platform

Machine Learning Mentor – Coached 3 individuals on

Jun '21-Dec '21

- Simple and multilayer perceptron construction and its application on real-world datasets
- Time-series weather forecasting for predictive maintenance using LSTM

GirlScript Foundation | A global-remote initiative for people worldwide providing a platform for learning

AI Mentor for Uplift Project

Jun '20-Aug '20

- Mentored 15 students working on the project 'Credit Card Fraud Detection'
- Delivered lectures on implementing deep learning algorithms and neural networks

OTHERS

- Conferences: Computer Vision and Pattern Recognition (CVPR), 2021 and Deployable AI organized by Robert Bosch Center for Data Science and Artificial Intelligence (2021), IIT Madras
- Technical Languages & Tools: Python, TensorFlow, Docker, AWS Sage Maker, Git, Pandas, Numpy, Matplotlib, Sci-Kit Learn
- Personal Skills: Administrative, management and planning, communication, public speaking
- Interests: Fine art, graphic designing, reading fiction novels, baking