# ARCHISHA CHANDEL

• COMPUTER ENGINEER •

Curiosity-driven individual striving to find ingenious solutions to real-world problems

## EDUCATION

### Bachelor of Engineering in Computer Engineering — 8.0/10

Bharati Vidyapeeth College of Engineering, Mumbai — Jun 2016 - Jun 2020

Core Courses:

- Machine Learning
- Human Machine Interaction
- Natural Language Processing
- Artificial Intelligence in Soft Computing

## EXPERIENCE

### GirlScript Foundation, India

Data Science Mentor for The Uplift Project — Jun 2020 - Aug 2020

*A global-remote initiative for people worldwide who want to talk about something fruitful. It provides a platform for like-minded individuals to meet, share and learn about topics that interest them.*

- Led a project on Fraud Detection
- Discussed the implementation of deep learning algorithms and neural networks
- Conducted lectures on 'Machine Learning Techniques and Algorithms' and 'Deep Learning'
- Guided 10+ individuals to learn and grow as data scientists
- Achievement: Successful completion of the project through acts of strong leadership, supervision and team work

### Mozilla Foundation

Open Source Contributor for PRESC — Mar 2020 - May 2020

*Performance Robustness Evaluation for Statistical Classifiers (PRESC) was selected as one of the projects under the Outreachy Summer Internship program 2020.*

- 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 and excellent team work

### Tvarit GmbH, Germany

Machine Learning Engineer — Dec 2019 - Jan 2020

*Provides fast and customized solutions for all manufacturing problems and data science needs. Selected through the hiring challenge organised as a part of a winter internship application.*

- 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
- Jr. data scientist on the project titled- Prediction of Ideal Ambient Setting for Retail Stores
- 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

## SKILLS

- TensorFlow
- Apache Spark MLib
- deeplearn.js
- Vision, NLP
- Python

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## POSITIONS OF RESPONSIBILITY

### National Level Technical Paper Presentation
Student Coordinator and Participant — Sep 2019

*Organized in association with the Asian Society of Science and Technology with over 500+ participants.*

- Successfully coordinated the participation in the Mumbai region
- Hosting the welcoming ceremony and ensuring smooth event execution

### Abhiyaan - Annual Cultural Fest
Event Organizer and Student Representative — May 2018 & May 2017

*Inter-college annual fest with sports and cultural activities with 1000+ participants.*

- Successfully organized two half-day cultural events and ensured 300+ participation in each
- Public relations committee member bringing in sponsorship of 50,000 INR

## PROJECTS

### AI Game Bot
Thesis — May 2019 - May 2020

- Paper published in the International Journal for Science and Advance Research In Technology IJSART - Volume 6 Issue 5 – May 2020, ISSN [ONLINE]: 2395-1052
- Comparing different neural network topologies and proving how NEAT evolves to optimize and complexify solutions simultaneously
- Intra-college presentation of the understanding and experimentation work done

### Computer Pointer Controller
Edge Application — May 2020 - Jun 2020

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.

### People Counter App
Edge Application — Feb 2020 - Mar 2020

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
Machine Learning Application — Jan 2020 - Feb 2020

- 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

## EXTRA-CURRICULAR ACTIVITIES

### AIDL Hackathon
Unifynd — Mar 2020

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

### HumAIn
Tata Consultancy Services — Jul 2019 - Oct 2019

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

## INTERESTS

- AI Hackathons
- Competitive Programming
- Mentoring
- Reading
- Debates

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