

# ARCHISHA CHANDEL

• COMPUTER ENGINEER •

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

## EDUCATION

- **B.E. Computer Engineering** 8.0/10  
Bharati Vidyapeeth College of Engineering, Mumbai
- **Higher Secondary Education** 76.15%  
Khar Education Society, Mumbai
- **Secondary Education** 96.17%  
P.G. Garodia School, Mumbai

## 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

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 winter internship application.*

- Expanded the AI Platform through development and integration of 5 machine learning algorithms.
- Built unit tests and integration tests to increase the robustness of AI Platform.
- Created dashboards using Grafana for visualisation of results obtained during integration of algorithms.
- Led a project for a month on time-series retail data given by European Data Incubator (EDI).
- Achievement: Algorithms and dashboards developed are being used as a part of the AI platform and the firm bagged first place in the experimentation phase conducted by EDI.

## POSITION OF RESPONSIBILITY

### National Level Technical Paper Presentation

Student Coordinator and Participant

Sept, 2019

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

- Successfully coordinated the participation in 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

- Paper published in the International Journal for Science and Advance Research In Technology.
- 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.

### People Counter App

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.

### Computer Pointer Controller

Edge Application

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

## EXTRA CURRICULAR ACTIVITIES

### AIDL Hackathon

Unifynd

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

### HumAIIn

Tata Consultancy Services

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

## INTERESTS

Competitive Programming

Debates

AI Hackathons

Mentoring

Elocution

Reading

## SKILLS

Neural Network

Python

Apache Spark MLlib

deeplearn.js

TensorFlow

sci-kit learn