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

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
- 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 the first place in the experimentation phase conducted by EDI

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

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

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

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   SKILLS

AI Hackathons	Debates	Vision	Python
Elocution	Mentoring	Deep Networks	deeplearn.js
Graphic Designing	Reading	TensorFlow	sci-kit learn
Competitive Programming	Philosophy	Apache Spark MLib	NLP

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