

Arushi Pandit

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EDUCATION

Amity University

Noida, Uttar Pradesh, India

Bachelor of Technology in Artificial Intelligence (AI)

2019 - Expected May 2023

- CGPA: 9.01/10
- EUREKA 2022 Runner-Up, Presented Entry Monitoring System for COVID Era at Innovation design project and Poster making competition at 4th International Conference on Entrepreneurship, innovation and leadership (ICEIL)
- Class Topper for academic year 2019-2020

Queen Mary's School

Tis Hazari, Delhi, India

Grade 12 (Central Board of Secondary Education)

2017-2018

- Percentage: 77.2

Queen Mary's School

Tis Hazari, Delhi, India

Grade 10 (Central Board of Secondary Education)

2015-2016

- CGPA: 9.4/10

TECHNICAL SKILLS

Languages: Python, C, C++, MATLAB, JavaScript

Technologies: Machine Learning, Neural Networks, Deep Learning, Data Science, Natural Language Processing, MySQL, Amazon Web Services, Git

Soft Skills: Research, Presentation, Problem Solving, Public Speaking

Other(s): Microsoft Office suite, GNU Octave, Microsoft Azure

PROFESSIONAL EXPERIENCE

GirlScript Foundation

September 2021 - November 2021

Open-Source Contributor : GirlScript Winter of Contributing

- Managed Statistics, Data Science and Machine Learning repositories
- Provided Documentation and Python code for machine learning algorithms and Data Preprocessing

SmartKnower

August 2020 - September 2020

Machine Learning Intern

- Used web scraper to create data set and created Image Classification model using Machine Learning Algorithm.
- Performed NLP tasks for sentiment analysis and deployed the model on *Heroku*, a cloud platform as a service (PaaS).

COMMUNITY & LEADERSHIP

Salaam Baalak Trust

January 2022 - Present

Volunteer at an Indian non-profit and non-governmental organization

Mansarovar Park, Delhi

- Working with underprivileged kids and helping with education and communication skills.

RESEARCH PAPERS

Artificial Neural Networks in Healthcare: A Systematic Review

2021

DOI: [10.1109/Confluence51648.2021.9377086](https://doi.org/10.1109/Confluence51648.2021.9377086)

- Presented on 28th January 2021 in [Confluence-2021](#): 11th International Conference on Cloud Computing, Data Science & Engineering
- Paper discussed about various applications of Artificial Neural Network (ANN) in healthcare and the future prospective and challenges for implementing AI in healthcare

PROJECTS

Entry Monitoring System for COVID Era

Deep Learning, Arduino

Sept 2021 - Dec 2021

- IoT enabled entry monitoring system for face mask detection and temperature check to approve or deny entry in public places.
- Designed Deep Learning Model for Face Mask detection with 94% accuracy.
- Used Arduino and Infrared temperature sensor for temperature check
- Made a user-friendly interface for model

Emotion Recognition using Genetic Neuro Hybrid System

Genetic Algorithm, Neural Networks

Oct 2021 - Nov 2021

- Applied Genetic algorithm for feature extraction and neural network for classification of emotion
- Used *CK+* dataset and preprocessed with *OpenFace* toolkit

Music Genre Classification

Machine learning algorithms, FFT, Mel Scale

Sept 2021 - Oct 2021

- Applied various machine learning algorithm for classification (*Random Forest, KNN, SVM, Decision Trees, XGBoost and Gradient Boosting*)
- Worked with *GTZAN* dataset and performed preprocessing using *FFT* and *Mel Scale*

Analysis of COVID-19 Tweets using Text Mining

NLP, Text Mining

May 2021 - July 2021

- Comparative sentimental analysis of Tweets from first and second wave of COVID-19
- Tweet extraction using *snsrape* and sentiment analysis using *TextBlob* created word clouds for both waves

Sentiment Analysis on IMDB Dataset

NLP, Machine Learning

Sept 2020 - Oct 2020

- Created a machine learning model for sentiment analysis of IMDB movie reviews dataset and deployed the model on *Heroku*, a cloud platform as a service (PaaS).

Image Classifier using KNN

Machine learning, Web Scrapping

Aug 2020 - Sept 2020

- Used web scraping to create dataset and created an image classifier using KNN algorithm.

CERTIFICATES

CCNA: Introduction to Networks

January 2022

Issued by Cisco

MTA: Introduction to programming using JavaScript

October 2020

Issued by Microsoft

MTA: introduction to programming using Python

October 2020

Issued by Microsoft

AWS Machine Learning Fundamental course

August 2020

Issued by Udacity

Machine Learning by Prof. Andrew Ng

February 2020

Computer Science Department, Stanford University, USA Issued by Coursera

Python

December 2019

Issued by Udemy

ADDITIONAL INFORMATION

Languages: Hindi, English, French

Hobbies: Painting, Journaling, Reading