

Ritik Chawla

Software Engineer

+918743844765

ritikchawla2014@gmail.com

<https://www.github.com/ritikchawla>

PROJECTS

Human Protein Analysis with PyTorch

Links: [GITHUB](#)

- Worked on multiLabel human protein prediction with 10 protein classes on the imagenet dataset
- Deployed transfer learning models - Resnet 34
- Used Regularization, Data Augmentation and Normalization to increase the dataset
- Technologies - PyTorch, Pandas, Matplotlib

Netflix Data Analysis Project

Links: [GITHUB](#)

- An Analysis Project on Netflix Shows depicting graphs for content usage and recommendations
- Analysis on usage engagement, plotting relationship charts, and content delivery metrics deployed by Netflix
- From Kaggle Netflix dataset, worked and studied charts and themes by other collaborators on the platform
- Technologies - Numpy, Pandas, Matplotlib and Seaplotlib

Portfolio Website

Links: [LIVE](#) [GITHUB](#)

- Personal Portfolio Website with Projects
- Sorting Algorithm Visualizer included
- Technologies - HTML5, CSS3, JavaScript

CERTIFICATIONS

AWS Fundamentals

Coursera

[Certificate](#)

6 weeks

- Learnt AWS architecture, planning, migration and deployment of serverless applications

DeepLearning.AI TensorFlow Developer

Coursera

[Certificate](#)

6 weeks

- Learnt CNNs, RNNs and Sequence Time Series Predictions

Google IT Support

Coursera

[Certificate](#)

6 weeks

- Learnt Networking, Operating Systems and System Security

EDUCATION

Bachelor of Technology

Indraprastha University

2018 - 2022

Major - Computer Science & Engineering

CGPA

8.97 / 10.0

SKILLS

Programming Languages

Python

C

C++

JavaScript

Deep Learning Technologies

PyTorch

Fast.ai

CNNs

NLP

RNNs

Bert

GPT2

Pandas

Numpy

Matplotlib

AutoML

Other Skills

Git

Linux

Bash Scripting

Docker

Kubernetes

AWS

GCP

EXPERIENCE

Google Cloud Computing

[Qwiklabs](#) 09/2020 - 11/2020

- Migrated a Monolithic Website to Microservices on Google Kubernetes Engine
- Tracked Cryptocurrency Exchange Trades with Google Cloud Platform in Real-Time
- Worked in Blockchain on GCP using Hyperledger Fabric and Composer
- Studied Google Cloud Packet Mirroring with OpenSource IDS
- Took Insights from Data in BigQuery
- Worked on site Reliability Troubleshooting with Cloud Monitoring APM [ACE]
- Technologies - Kubernetes, Docker, Firebase, SQL

Quantum Computing Developer

[QIndia](#) 07/2021 - 08/2021

- Worked on a Cirq Project debugging the circuits for state representation
- Implemented circuits for Quantum Fourier Transforms and did Phase Estimations
- Studied and implemented Shor's Algorithm circuits
- Did MultiQubit Operations and worked on the Bloch Sphere
- Implemented Order Finding Algorithms
- Worked on applications of Quantum Hardware

Marketing

[Viral Fission](#) 04/2021 - Ongoing

- Studying User interaction, Market trends and submitting reports
- Working with Brands like Unacademy, Pepsi India in establishing connect with social media users
- Taking parts in campaign events and working with panIndia teams in making, exploring related content