ROHIT JAIN

Software Engineer

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in rohit-jain-01

○ Rohit2706

🌐 https://rohit2706.github.io

EDUCATION

2017 - 2021
BE(Hons) Computer Science
BITS Pilani, Rajasthan
CGPA: 8.83/10

May 2017
Class XII - CBSE
VVDAV Public School, Delhi
Percentage: 96.8%

May 2015
Class X - CBSE
VVDAV Public School, Delhi
CGPA: 10/10

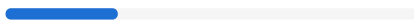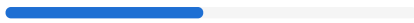## SKILLS

C/C++

Python

Pytorch

IBM SPSS

Java

Blockchain/Solidity

ACHIEVEMENTS

Merit Scholarship
BITS Pilani
Awarded the MCN scholarship for all the semesters for being in top 3% students of the batch.

Academic Excellence Award
VVDAV Public School
Awarded a scholarship amount of Rs 33,000 for the academic performance in class X.

WORK EXPERIENCE

Software Development Intern   **May 2020 - July 2020**
AI Vision, Samsung R&D Bangalore

Created an android application that learns the user color-tone preferences via on-device learning approach. Trained a GAN-based Model for user behaviour learning in a few shot meta-learning scenario.

Research Intern   **May 2019 - July 2019**
CSIR-IGIB, New Delhi

Learned Python and implemented the entropy concept for unifying categorical data and performed clustering and data mining. Used divergence model for classification of healthy individuals into different Prakriti classes and achieved an accuracy rate over 90%.

PROJECTS

Human Detection and Segmentation in Videos
Object Detection | Deep Learning

Did a comparative study of various state-of-the-art algorithms used in the domain of Computer Vision and compared them on the basis of their results on multiple datasets for pedestrian detection in images and videos. (rohit2706.github.io/projects/human-detection)

Entropy Based Distance Metric
Python Package | Data Mining

Implemented the research paper on Unified EBDM by Zhang et al. and built a python package for finding a common distance matrix for the ordinal and nominal data from any kind of questionnaire data, based on entropy measures. Tested the package on multiple datasets for robustness. (github.com/Rohit2706/EBDM)

Deep Photo Style Transfer
Style Transfer | Computer Vision

Built the PyTorch implementation of the academic paper 'Deep Photo Style Transfer' for photorealistic style transfers between the images. Tested the model for different sets of hyperparameters and verified the results as obtained by the authors. (github.com/Rohit2706/Deep-Photo-Style-Transfer)

ERPLAG Compiler
Compiler Design

Built a compiler for a toy language, ERPLAG, in C. Implemented the compiler design in four phases: lexical analysis, syntax analysis, semantic checks and code generation.
(github.com/Rohit2706/Compiler-Project)

POSITION OF RESPONSIBILITY

Head of Design, **TEDxBITSPilani**

UI/UX team lead responsible for graphic designing for on-campus and off-campus publicity of the TEDx 2020 event. Handled the production department, including on day technology and photography.