

ROHIT JAIN

Software Engineer

✉ rohitjain2706@gmail.com

☎ +91 95601 17283

in rohit-jain-01

🌐 Rohit2706

🌐 <https://rohit2706.github.io>

EDUCATION

2017 - 2021

BE(Hons) Computer Science

BITS Pilani, Rajasthan

CGPA: 8.65/10

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

IBM SPSS

Pytorch/Tensorflow

Java

ACHIEVEMENTS

Merit Scholarship

BITS Pilani

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

COURSES

Operating Systems, Object Oriented Programming, Data Structures and Algorithms, Computer Networking, Data Mining, Neural Networks, Database Systems

WORK EXPERIENCE

Intern, Member of Technical Staff

Nutanix, Bangalore

August 2020 - Present

Currently working on building C++ APIs for spontaneous and efficient tier migration of data and building algorithm for detection of slow nodes in the network with less false positives and minimal overheads.

Software Development Intern

AI Vision, Samsung R&D Bangalore

May 2020 - July 2020

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

CSIR-IGIB, New Delhi

May 2019 - July 2019

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 broad domain of Computer Vision and compare them on the basis of their results on the COCO dataset for images and TownCentre and VIRAT dataset for pedestrian detection in 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)

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.