ROHIT JAIN

Software Engineer

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in rohit-jain-01

○ Rohit2706

🌐 https://rohit2706.github.io

EDUCATION

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

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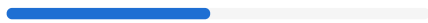VVDAV Public School, Delhi
Percentage: 96.8%

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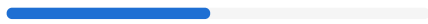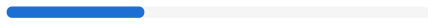**Class X - CBSE**
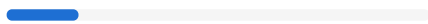VVDAV Public School, Delhi
CGPA: 10/10

SKILLS

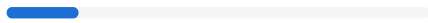**C/C++**

Python

IBM SPSS

Pytorch/Tensorflow

Java

SQL

ACHIEVEMENTS

Merit Scholarship
BITS Pilani
Was awarded 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

NUTANIX TECHNOLOGIES, BANGALORE   Aug 2020 - Dec 2020
Intern, Member of Technical Staff

- Worked on a tool for spontaneous migration of data to faster storage tiers.
- Built an error injection framework for explicitly failing RPC requests for simulation of degraded distributed cluster.
- Extended the framework for detection of slow nodes with less false positives and minimal overheads for monitoring insights.
- **Tech Stack:** C++, Git, Gerrit

SAMSUNG R&D, BANGALORE   May 2020 - July 2020
Software Development Intern

- Created an android application that learns the user color-tone preferences via on-device learning approach.
- Trained a Meta-translational GAN-based Model for user behaviour learning in a few shot meta-learning scenario and achieved good qualitative results.
- **Tech Stack:** Java, Android Studio, Python, Pytorch

CSIR-IGIB, NEW DELHI   May 2019 - July 2019
Research Intern

- Implemented an entropy based model for unifying categorical data to perform clustering and other data modelling tasks.
- Used divergence model for classification of healthy individuals into different Prakriti classes and achieved an accuracy rate of over 90%.
- **Tech Stack:** Python, pandas, numpy

PROJECTS

HUMAN DETECTION AND SEGMENTATION
Object Detection | Deep Learning

Did a comparative study of various state-of-the-art computer vision algorithms for human detection and segmentation. Used COCO dataset for images and, TownCentre and VIRAT dataset for videos to compare Faster R-CNN, Mask R-CNN and Pos2Seg Models.
Link: 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 ordinal and nominal data from any kind of questionnaire data, based on entropy measures. Tested the package on multiple datasets for robustness.
Link: 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.
Link: 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.