

NAMAN VYAS

HARD-WORKING,COMPETENT & PASSIONATE ABOUT DATA STRUCTURES AND ALGORITHMS



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SKILLS

C/C++

COMPETITIVE
PROGRAMMING

DATA STRUCTURES

ALGORITHMS

MACHINE LEARNING

SQL

LANGUAGES

ENGLISH

Professional Working Proficiency

HINDI

Professional Working Proficiency

INTERESTS

SINGING

CHESS

EDUCATION

BTECH IN COMPUTER SCIENCE

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY SECTOR 62, NOIDA

08/2017 - Present

CGPA-7.4

Courses

- OPERATING SYSTEMS
- DATA STRUCTURES
- DATABASE MANAGEMENT SYSTEMS
- ALGORITHMS AND PROBLEM SOLVING
- OBJECT ORIENTED PROGRAMMING

SENIOR SECONDARY

SIR PADAMPAT SINGHANIA EDUCATION CENTRE, KANPUR

04/2014 - 04/2016

92.2%

WORK EXPERIENCE

Technical Intern

JIIT Noida

05/2020 - 06/2020

Achievements/Tasks

- Worked On Map Routing Using Advanced Graph Algorithms.
- Worked On Various Path Finding Algorithms to reduce the Search time based on Heuristic Search.
- Applied Restricted Search Algorithm and A-star Algorithm and finally compared the time taken for the search.

CERTIFICATES

Algorithmic ToolBox - Issued By Coursera

Learnt Useful algorithms such as divide and conquer approach, greedy algorithms, dynamic programming.

Machine Learning -Issued By Udemy

Learnt about data preprocessing , supervised and unsupervised leaning and boosting techniques .

Problem Solving Certification-Issued By Hackerrank

PROJECTS

AUTOMATED ESSAY ASSESSMENT USING MACHINE LEARNING ALGORITHMS (08/2019 - 01/2020)

- WE TRAINED OUR MODEL WITH 15000 ESSAYS, PREPROCESSED THEM AND CONVERTED THE DATA INTO THE BAG OF WORDS MODEL USING THE NLTK LIBRARY.
- APPLIED VARIOUS TYPES OF REGRESSION MODELS AND EVALUATED WHICH ALGORITHM PRODUCED BEST RESULTS BY VISUALISING THE GRAPHS AND CHECKING THE MEAN SQUARED ERROR, VARIANCE AND COHENS KAPPA SCORE.
- APPLIED K-FOLD CROSS VALIDATION TECHNIQUE FOR BETTER RESULTS.
- ANALYSED THE RESULTS AND COMPARED THEM WITH HUMAN GRADED SCORES.

BREAST CANCER PREDICTION (01/2020 - 06/2020)

- USED CLASSIFICATION MODELS TO DETECT BREAST CANCER BY USING WBCD(WISCONSIN BREAST CANCER DATASET),USEFUL IN THE FIELD OF BIOINFORMATICS.
- USED ROC CURVE , AREA UNDER THE ROC CURVE AND CONFUSION MATRIX TO CHECK FOR THE BEST CLASSIFIER.
- EXTENDED THE PROJECT BY CALCULATING THE PROBABILITY OF BREAST CANCER USING LOGISTIC REGRESSION TECHNIQUE TO FIND OUT SEVERE CASES FIRST.

ACHIEVEMENTS

Codeforces Rating - 1448 (Specialist)

Solved 500+ Problems On Various Online Judges

Among Top 300 In India out of 1 Lac+ participants In Hackwithinfy Hackathon Oragnized by Infosys

Among Top 2% In India In TCS Codevita out of 1.8 Lac+ participants

LeetCode Rating - 1685(Among Top 10% of Coders on Leetcode)