

Vishal Sharma

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EDUCATION

BML MUNJAL UNIVERSITY

B.TECH IN COMPUTER SCIENCE

Expected May 2021 | Gurugram, IN

GPA: 8.42/10

LINKS

LinkedIn:// [makeavish](#)

Github:// [makeavish](#)

ICPC:// [makeavish](#)

CodeChef:// [makeavish](#)

Codeforces:// [makeavish](#)

SKILLS

PROGRAMMING

C/C ++ • Python • Java

Familiar:

MongoDB • Git • MySQL

Shell • JavaScript • Node

COURSEWORK

UNDERGRADUATE

Design and Analysis of Algorithms

Information Retrieval

Software Engineering

Image Processing

Artificial Intelligence

Discrete Mathematics

Probability and Statistics

Operating Systems

Database Systems

Computer Networks

Object-Oriented Programming

INDEPENDENT

Deep Learning in PyTorch (Udacity)

Android Developer Basics (Udacity)

Data Analytics in finance using Python (Udemy)

C++ With DS (Coding Ninjas)

Complete Python bootcamp (Udemy)

Complete Web development bootcamp (Udemy)

MORE ABOUT ME

Minimalist • Avid Reader • Planner

I love

Podcasts • Chess • Talking

EXPERIENCE

EPLANE.AI | DEEP LEARNING INTERN

May 2019 – July 2019 | IIT Madras | Chennai, IN

- Built an Actor-Critic Reinforcement Learning model for Autonomous Drone
- Implemented part of VLocNet for localization of Drones
- Stack Used: Tensorflow, Sklearn, PyTorch, Docker, Linux

BALNC CARE LTD. | MACHINE LEARNING INTERN

Feb 2019 – April 2019 | Remote | Gurugram, IN

- Worked on a Machine Learning model of Pose Estimation
- Implemented a RNN model to predict pose.
- Stack Used: OpenCV, Python, Sklearn, Pandas, PyTorch

PROJECTS

ENCRYPTED NEURAL NETWORKS

April 2020 – May 2020 | <https://github.com/piyush14298/Homomorphic-Encryption-for-Training-Neural-Networks>

- Trained a XOR Neural Network on Encrypted Data (Achieved 81% accuracy)
- Used Somewhat Homomorphic Encryption system proposed by Zhou and Wornell

PNEUMONIA CXR CLASSIFICATION

April 2020 | <https://github.com/makeavish/PneumoniaCXR>

- Used Transfer Learning (InceptionV3 model) to classify Pneumonia
- Successfully achieved 85.74% accuracy and F1 score 0.87 with Recall 0.99

QBOX, QMONEY AND QCHARM

February 2020 – April 2020 |

<https://criodo.github.io/Crio-Launch-Feb-2020-makeavish786/>

- QBox - Created a service like Dropbox using Vsftpd
- QMoney - Worked on backend of a stock portfolio management application
- QCharm - Built an online text editor
- Improved performance by using hybrid data structures and algorithms
- Used bash scripts, REST APIs, Java

RESEARCH ASSIST

October 2019 – November 2019 |

<https://github.com/makeavish/ResearchAssist>

- Implemented Focused Crawler to build a research paper search engine
- Focused Crawling helped reduce search time and improved efficiency
- Implemented using Python and its libraries like BeautifulSoup, NLTK, request, PyPDF

AWARDS

2020

Ranked in top 100 (120,000+ participants) Hackwithinfy2020

2020

Won College SIH Hackathon and Qualified for SIH Finals

2020

Qualified for Crio Launch program

2019 37/106

ACM ICPC Kanpur Regional Round

2019 179/4441

ACM ICPC Online Round

2018 1/40

Alibaba Tianchi NLP Hackathon