# Vishal Sharma

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## EDUCATION

### BML MUNJAL UNIVERSITY
B.Tech in Computer Science
Expected May 2021 | Gurugram, IN
GPA: 8.34/10

## LINKS

LinkedIn:// **makeavish**
Github:// **makeavish**
ICPC:// **makeavish**
CodeChef:// **makeavish**
Codeforces:// **makeavish**

## SKILLS

### PROGRAMMING
C/C ++ • Python • Java
**Tools:**
MongoDB • Git • MySQL
Shell • Keras• Scikit Learn

## COURSEWORK

### UNDERGRADUATE
Machine Learning
Image Processing
Design and Analysis of Algorithms
Artificial Intelligence
Probability and Statistics
Information Retrieval
Software Engineering
Discrete Mathematics
Operating Systems
Database Systems
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 • Problem Solving

## 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

### SKIN CANCER PREDICTOR
July 2020 | https://github.com/makeavish/SkinCancerPredictor
- Built a flask web app to predict skin cancer
- Used transfer learning(InceptionV3 model) for classification
- Stack Used: Python, Flask, Jinja, Keras

### ENCRYPTED NEURAL NETWORKS
April 2020 – May 2020 | https://github.com/piyush14298/Homomorphic-Encryption-for-Training-Nueral-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
- Stack Used: Python, Keras, Matplotlib

### RESEARCH ASSIST
October 2019 – November 2019 |
https://github.com/makeavish/ResearchAssist
- Built a 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 |