

Nilesh Bhanot

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Email-id: nileshbhanot18@gmail.com**Github:** github.com/newbie10003-code**LinkedIn:** [linkedin.com/in/nilesh-bhanot-219506173/](https://www.linkedin.com/in/nilesh-bhanot-219506173/)**Leetcode:** <https://leetcode.com/nileshbhanot264/>**Mobile No.:** +91 9528029993**ACADEMIC DETAILS**

Examination	University	Place	Year	CGPA/%
B.Tech CSE	Graphic Era Hill University	Dehradun, U.K.	Current	8.81
CBSE	Doon International School	Dehradun, U.K.	2020	92.4
CBSE	Doon International School	Dehradun, U.K.	2018	94.8

RESEARCH PAPERS

- **Malware Detection using Machine Learning algorithms (Ongoing)**
A comparative study for detecting malware in a computer based on its hardware and software parameters using various machine learning algorithms in **Python**
- **Home Credit Loan Default Prediction using Machine Learning algorithms (Ongoing)**
A comparative study for predicting chances of loan default by a consumer by analysing banking and financial history of the customer using machine learning algorithms in **Python**

MAJOR PROJECTS

- **Malware Detection using machine learning algorithms (Python)**
Developed multiple machine learning models to detect malware presence in a computer based on its hardware and software capabilities using **sklearn, tensorflow and keras libraries in Python**
- **Credit Default Prediction using machine learning algorithms (Python)**
Tested multiple machine learning models to predict whether a consumer will default a loan based on their banking and transaction history using **sklearn, tensorflow and keras libraries in Python**
- **Time Series – Stock Market prediction using LSTM neural network (Python)**
Developed a stock market price prediction time series model to predict closing price of a company's stock on a given day using **LSTM neural network in Python**
- **Customised Multimodal AI Chatbot using Generative AI (Python)**
Created a multi-modal AI chatbot using **Google Gemini Pro API** that helps to chat with PDF document files
- **Skin Lesion and Cancer Classification using Convolutional Neural Networks (Python)**
Developed a skin lesion classifier model that uses **Convolutional Neural Networks** and image processing in **Python** to successfully predict if a skin lesion is malignant (cancerous) or benign with an **accuracy of 85%**
- **Portfolio Website using HTML, CSS and JavaScript**
Created a dynamic and fully responsive portfolio website using **HTML, CSS and JavaScript**

TECHNICAL SKILLS

- **Languages** (Python, C, C++, Java, Javascript)
- **Developer Tools** (Git, Github, VSCode, Jupyter Notebook, Vim, Bash, Node.js, Tensorflow, Keras, Scikit-learn)
- **Coursework** (Operating Systems, Database Management Systems, Computer Networks)
- **Soft Skills** (Critical Thinking, Communication Skills, Collaboration)

CERTIFICATIONS

- **Generative AI with Large Language Models (Deeplearning.ai)**
Understanding and implementation of **Large-Language models** and **Generative AI fundamentals**
- **Deep Neural Networks with PyTorch**
Developed functional understanding of fundamentals of Machine Learning and different neural networks like **dense ANN, CNN, RNN and LSTM**
- **Data Structures and Algorithms in C++ (Certification – UN-recognised Saylor Academy)**
Functional understanding of: **Arrays, Stacks, Queues, Strings, Linked List, Trees, Graphs, Greedy & Dynamic Programming**
- **Full Stack MEAN (Mongo DB, Express.js, Angular.js, Node.js) Development (Certification - Coursera)**
Developed fundamental understanding of **MEAN stack** and completed a full stack project consisting of a secure web application using MEAN stack
- **Machine Learning in Python - (Certification - Bootcamp from Udemy)**
Mastered key **Data Science & AI concepts** such as **EDA, Data Preprocessing, Feature Engineering, Regression, Classification, Deep Learning, Natural Language Processing & Big Data processing using Spark**

ACHIEVEMENTS

- **Won Inter college hackathon “Hack-O-Holic”** organised by Graphic Era Hill University (**Ranked 1st among 150 teams**)
- Solved **600+ questions on LeetCode, CodeChef, CodingNinjas and GeeksForGeeks**
- **Gold medallist** in Inter-school General Knowledge Quiz hosted by Vodafone (Class – 8th)
- Led the school cricket team to victory in inter-school matches against **Rashtriya Indian Military College** and others