

# ANUSHKA GUPTA

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## EDUCATION

### Chandigarh Engineering College

Bachelor of Technology · Computer Science · CGPA: 8.12

Landran, Mohali

July 2019 – Aug 2023

## EXPERIENCE

### ThinkNEXT Technologies Private Limited

Trainee

Mohali

July 2021 – Aug 2021

- Acquired comprehensive knowledge and expertise in implementing the Advanced Python programming language.
- Employed Machine Learning libraries such as Numpy, Pandas, Matplotlib, and Scikit-Learn to analyze data and build predictive models.
- Devised a potent system for data pre-processing and feature enhancement, resulting in an exceptional accuracy of **75%**.

## PROJECTS

### DIAMOND PRICE PREDICTION

July 2023 – Aug 2023

Tools: Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

- Pioneered the formulation of forecasts for diamond prices, harnessing their intrinsic attributes such as carat weight, cut quality, color.
- Leveraged and scrutinized the extensive Diamonds dataset, encompassing **53,940 observations and 10 variables**, to encompass a comprehensive spectrum of diamond traits.
- Implemented a **Decision Tree Regressor** and **Random Forest Regressor** to model price prediction and conducted exploratory data analysis (EDA) to gain **insights** into diamond characteristics and relationships.
- Demonstrated an impressive model that exhibits **95%** accuracy on the testing data.

### HEART STROKE PREDICTION

May 2023 – June 2023

Tools: Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

- Utilized and prioritized machine learning techniques to construct a predictive model adept at identifying individuals at **risk of stroke** based on their demographic and health-related characteristics.
- Utilized **Logistic Regression**, **SVM(Support Vector Machine)**, **Decision Tree Classifier**, and **KNN(K-Nearest Neighbour)**, achieving an outstanding **90%** accuracy in identifying individuals at risk of stroke.
- Evaluated model performance using accuracy, precision, recall, and F1-score metrics to gauge effectiveness in identifying stroke risk.
- Attained an astounding **93%** accuracy on the testing data, highlighting its efficacy in predicting stroke risk.

## TECHNICAL SKILLS

**Programming Language:** C++ · Python | **Database:** SQL · MySQL | **Technology:** Machine Learning

**Tools/Frameworks:** NumPy · Pandas · Scikit-Learn · Seaborn · Matplotlib · Data Analysis · Data Visualization

**Additional Skills:** Data Structures & OOPs · Problem Solving · Communication skills

## ACHIEVEMENTS

- Completed Internship in Django Web Development from O(1)Coding Club in 2023
- Participated in Smart India Hackathon 2022
- Completed Internship from National Engineering Olympiad Foundation 2021

## COURSES & CERTIFICATES

- **ChatGPT for Everyone:** GUVI geek network(Approved by AICTE, Officially Authorised Partner by Google for Education Partner, IIT Ropar(Research Partner) and IIT-M and IIM-A(Incubated Company)
- **Career Essentials in Generative AI by Microsoft and LinkedIn(2023):** Microsoft and LinkedIn( Skills: Computer Ethics, AI, Generative AI)
- **Data Visualization using Tableau(2023):** Great Learning( Skills: Tableau, Tableau Server, Feature Scaling, Machine Learning, Data Visualization)
- **Machine Learning Scientist(2022):** AWS (Skills: Numpy, Pandas, Matplotlib, Scikit-Learn, Seaborn, NLP)