



Akhil Saini

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CAREER OBJECTIVE

A Computer Science graduate with a comprehensive understanding of software development, data structures, and algorithms. Proficient in multiple programming languages including C++, Python and SQL. Motivated, proactive, and dedicated to continuous learning. Dedicated to applying technical knowledge to solve real-world challenges and contribute to innovative solutions.

TECHNICAL COMPETENCIES

- C / C++
- Python
- Java
- SQL

TECHNICAL SKILLS

- Data Structures and Algorithm
- Machine Learning
- Data Analysis
- MS Excel
- Power BI
- Git (Basics)

INTERPERSONAL SKILLS

- Adaptable & Flexible
- Time Management
- Well Organized

EXTRA CURRICULAR

- 100+ DSA problems solved on Leetcode
- 4 Start in SQL on HackerRank

EDUCATION

Bachelors in Computer Science Engineering | Chandigarh University, Gharuan

Session: 2021-2025 | Score: 7.9 CGPA

Intermediate (CBSE) | DAV Public School, Ambala Cantt

Session: 2020-2021 | Percentage: 92%

Matriculation (CBSE) | DAV Public School, Ambala Cantt

Session: 2018-2019 | Percentage: 91%

PROJECTS

▪ Sorting Algorithm Visualizer

This project is a Python-based visualizer for various sorting algorithms, implemented using Pygame.

- Utilizes Python's pygame library for graphical representation and implements algorithms such as Quick Sort, Merge Sort, Heap Sort, InsertionSort, Selection Sort, and Bubble Sort.
- Includes multiple sorting algorithms and allows real-time visual representation of sorting processes with customizable sequence length and time intervals.

▪ Sales Insight Dashboard in Power BI

Build a powerful dashboard that can help us generate sales insights of the business company.

- Uses SQL for performing data analysis on the dataset to get the meaningful insights from it for further processing.
- Used various data visualization tools of Power BI to create an interactive report which support informed decision-making.

▪ Exploratory Data Analysis on Google Play Store Dataset

Conducted EDA and feature engineering on a dataset of 10,000+ Google Play Store apps to identify trends in app categories, installs, and file sizes

- The project involved data cleaning, handling missing values, and visualizing patterns using Python libraries (Pandas, Matplotlib, Seaborn).
- Feature Feature engineering was applied to enhance the dataset for more detailed analysis and insights.

▪ Earthquake Prediction

A Machine Learning Model to Predict the Earthquake prediction based on their dataset of different regions.

- Used sklearn library to split the data into training and test data along with pre-processing of data to create a prediction model.
- Technology Used: Google Collab, Python and its libraries: sklearn, seaborn, numpy, pandas, matplotlib.

CERTIFICATIONS & AWARDS

- Learn C++ Learn C++ Programming – Beginner to Advance – Deep Dive in C++ (by Abdul Bari)
- The Data Analyst Course: Complete Data Analyst Bootcamp (by 365 Career)
- SQL – MySQL for data Analytics and Business Intelligence (by 365 Career)
- Data Structures & Algorithms Master Course (by CodeHelp)
- Introduction to Machine Learning (by IBM)