

SNEHA Kumari

Bhagalpur, Bihar

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EDUCATION

Chandigarh Engineering college, Chandigarh Group of colleges, Landran

2022 – 2026

B.Tech - Computer Science and Engineering - **CGPA – 8.2**

Mohali, Punjab

COURSEWORK / SKILLS

- Data Analytics & Predictive Modeling
- Database Management System (DBMS)
- Object Oriented Design & Program
- Operating System
- Data Structures & Algorithms
- Machine Learning
- Theory of Computation
- Computer Networks
- Data Visualization
- Software Management
- Human Resource Management

PROJECTS

Mental Health Insights in Tech Industry | MySQL, Python, Data Cleaning, Data Standardization

- Architect-ed a comprehensive **SQL** database to structure, clean, and integrate mental health survey data from the tech industry, ensuring data integrity and analytical readiness.
- Leveraged advanced SQL analytics to uncover key trends, risk factors, and correlations between company policies, remote work options, and employee well-being.
- Delivered actionable insights and executive-level reports that empowered HR teams to implement targeted mental health initiatives and optimize workplace support strategies.

Health-Care Dashboard | Power BI, Data Visualization, Excel, Data Modeling

- Built a responsive **Power BI** dashboard to analyze hospital wait-list data by case type, age group, and specialty over time.
- Deployed dynamic filters, time-based comparisons and trend analysis to help healthcare providers monitor patients.
- Integrated key **visualizations** including wait-list distribution, wait-time by patient specialties, and age wise delay insights.

Music Recommendation System | Python, Machine Learning, UI elements

- Designed a Music Recommendation System using **Streamlit** with a content-based approach powered by **KNN**.
- Preprocessed a **Kaggle.com** dataset of 170k+ songs by scaling audio features.
- Developed an interactive **Streamlit** app allowing users to set preferences via sliders.

Interactive Dashboard on Data Science Jobs and Salaries | Tableau, Excel, Data Preprocessing

- Designed an interactive **Tableau** dashboard to visualize and explore trends in Data Science job roles, salaries, and company sizes using real-world data from Kaggle.
- Implemented robust data preprocessing and cleaning techniques to address missing values and ensure high-quality analytics.
- Applied predictive analytics within Tableau to estimate salary outcomes based on job title and company characteristics, enhancing the dashboard's decision-support capabilities.

TECHNICAL SKILLS

Programming Languages: Python, C++, JavaScript, SQL

Technologies/Frameworks: HTML, CSS, DBMS, OOPs

Developer Tools: Excel, Power BI, Tableau

CODING PLATFORMS

- Solved **200+** problems on **LeetCode** with a highest rating of **1741**.
- Solved **60+** problems on **GeeksforGeeks**.

CERTIFICATIONS

- Supervised Machine Learning: Regression and Classification
- Data Structures and Algorithm