

# Hanseeka Dhingana

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## PROFILE SUMMARY

A passionate and dedicated individual pursuing a Bachelor of Science in Computer Science focusing on Data Science. I thrive on challenges that push me to analyze data creatively and critically, developing innovative, data-driven solutions. As a collaborative team member, I value exchanging ideas and am always eager to contribute to impactful projects.

## EDUCATION

### Institute of Business Administration (SIBAU)

Bachelor of Computer Science

Current CGPA: 3.46 / 4.00

Sukkur, Sindh

August 2022 – Continue

Aspire Leaders Program Graduated – Developed by Harvard Faculty

Jan 2024 – April 2024

## SKILLS

### Technical Skills

- Programming Languages:** C++, C#, Java, Python, SQL, HTML, CSS, JavaScript (JS), Data Structures and Algorithms (DSA)
- Framework:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, PyTorch, llama-index, Django, .NET, Flutter
- Databases:** MySQL, PostgreSQL, SQL Server, Oracle, Pinecone
- Tools & IDEs:** Visual Studio Code, Jupyter Notebook, Visual Studio, Microsoft Office Suite, NetBeans

### Soft Skills

- Time Management, Collaboration, Analytical Thinking, Problem-Solving

## PROJECT'S EXPERIENCE

### Machine Learning Projects

#### LLM-Powered RAG-Based IELTS Chatbot with voice input

Jan 2025 – Jun 2025

- Developed a semantic search chatbot using RAG architecture (LlamaIndex, Gemini, Pinecone) for IELTS Speaking support
- Integrated Whisper for speech-to-text transcription and BERT for evaluating fluency, grammar, and coherence
- Delivered personalized feedback through a streamlit-based UI, combining generative and discriminative AI

#### Heart Disease Prediction – Logistic Regression Model

Mar 2025 – Mar 2025

- Implemented a logistic regression model for heart disease prediction, achieving 92% accuracy after performing EDA and data preprocessing.
- Analyzed important features in heart disease, identifying key factors like sex, exercise, angina, and chest pain type.

#### Experience-Based Salary Estimator – Linear Regression Model

Feb 2025 – Feb 2025

- Developed a predictive model using Linear Regression to estimate salary based on years of experience, achieving a 90% R2 score.
- Visualized the relationship between experience and salary by plotting the regression line using Matplotlib.
- Utilized Python libraries such as Pandas, Scikit-learn, and Matplotlib for data manipulation, model training, and visualization.

### Personal Projects

#### Investing Netflix Movies – Python | DataCamp Skill Track

Nov 2024 – Nov 2024

- Explore Netflix movie data and perform exploratory data analysis (EDA) for a production company to uncover insights about movies from a particular decade.
- Utilized Python libraries like Pandas, Matplotlib, and Seaborn for data visualization and analysis.

#### Coffee Mobile App – Flutter | Flutter Bootcamp

July 2024 - Sep 2024

- Design and develop a coffee mobile app using the Flutter framework. The app should be fully responsive and compatible with all mobile devices.

## CERTIFICATION

- Working with the OpenAI API, DataCamp, 2025
- Completed GitHub Foundation Skill Track, DataCamp, 2025
- Introduction to Python, Intermediate Python, and Data Manipulation with Pandas, DataCamp 2024
- Introduction to SQL, Intermediate SQL, and Joining data in SQL DataCamp, 2024
- Certificate for Completion: Microsoft Learn AI Skills Challenge, Microsoft, 2023
- Programming in Python, sponsored by Meta, Coursera, 2023

## ACHIEVEMENT

### Sindh Educational Endowment Fund Scholarship

- Awarded fully funded bachelor's degree scholarship at Sukkur IBA University

### GitHub Developer pack

- Achieve GitHub Student Developer Pack