Sunny Singh

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Summary

Computer Science undergraduate with strong proficiency in Java and practical experience developing console-based applications. Skilled in C++ and DBMS, with a solid understanding of Windows environments. Passionate about problem-solving, learning new technologies, and building efficient software solutions.

EDUCATION

Noida Institute of Engineering and Technology   **2022 − 2026**
B.Tech - CSE(AI)   *Gr. Noida, Uttar Pradesh*

Varanasi Public School   **2019 − 2021**
Senior Secondary (XII), CBSE - 88%   *Varanasi, Uttar Pradesh*

Varanasi Public School   **2017 − 2019**
Secondary (X), CBSE - 91.6%   *Varanasi, Uttar Pradesh*

COURSEWORK

- Computer Network
- OOPS Concept
- Database Management System
- Web Development

Projects

Multiple Disease Prediction System— Python, Machine Learning
- Developed a web-based application that predicts multiple diseases (Diabetes, Heart Disease, and Parkinson's) using trained machine learning models.
- Integrated Streamlit for an interactive user interface with real-time prediction and visual feedback.
- Implemented data preprocessing, feature scaling, and model evaluation using scikit-learn pipelines.
- Deployed the application on Streamlit Cloud ensuring accessibility and responsiveness.

Crowd Counting and Detection — Python, OpenCV, CNNs
- Developed a computer vision model to detect and count individuals in crowded environments using Convolutional Neural Networks (CNNs).
- Used OpenCV for real-time video stream processing and heatmap visualization for interpreting results.
- Trained and evaluated the model using public datasets to achieve accurate and robust crowd density estimation.

Technical Skills

Languages: Java, Python, C, C++, SQL, HTML5, CSS, JavaScript
Developer Tools: VS Code, PyCharm, IntelliJ, Git, Google Colab
Operating Systems: Windows
Networking & Protocols: DNS, HTTP, TCP/UDP, IP Routing, Cisco Basics
Concepts: Object-Oriented Programming (OOP), DBMS, Data Structures and Algorithms (DSA), REST APIs, Basic Debugging, Software Development Life Cycle (SDLC)

CERTIFICATIONS

- Java Programming Fundamentals - Infosys Springboard

- Python Basics - Coursera

- Data Visualization with Python - Coursera

- Use Canva to Create Desktop and Mobile-friendly Web Pages - Coursera