JASMINE KAUR

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Summary

Proficient in C++, C, Python, and web technologies including HTML,CSS and Javascript. Expertise in ML and Data Science. Seeking opportunities to leverage my skills and contribute to innovative projects in a dynamic team environment.

Education

Thapar Institute of Engineering & Technology, India **2022 - 2026**
- BE-COPC | CGPA: **9.56** (current) (expected)

Sanawar - An Institute for Children, India **2021 - 2022**
- AISSCE (Class XII) | Percentage: **97%**

Chetan SVM Mansa, India **2019 - 2020**
- AISSE (Class X) | Percentage: **95.6%**

Skills

Languages: C/C++, Python, SQL, PL/SQL, R, Matlab, HTML/CSS, JavaScript
Libraries / Frameworks: Pandas, NumPy, Matplotlib, Seaborn, Plotly, Tensorflow, NLTK
Tools / Environments: Git/GitHub, VS Code, Matlab, GNS3, Jupyter, Google Colab, Oracle live SQL, AWS, Linux/Unix, Windows, OpenGL, IBM Quantum Platform, AutoCAD, Canva, Figma
CS Fundamentals: Data Structures, Algorithms, Relational Database Management System (RDBMS), Object Oriented Programming, Software Engineering, Cloud Computing, Operating Systems, Computer Architecture & Organization, Computer Networks, Computer Graphics, Quantum Computing, AI/ML, Data Science, Deep Learning, Theory of Computation, Compiler Construction, Engineering Mathematics
Technologies: Web development (front-end), AI, ML, NLP, Deep Learning, Data Science
Soft Skills: Decision Making, Problem Solving, Time Management, Analytics, Interpersonal Skills

Projects

Scene Classification & Explainable AI Link

Python, ResNet-18, Keras, PIL, Pandas, NumPy, Matplotlib, Seaborn

- Built a deep learning model based on CNN and Residual Blocks using Keras for image scene classification trained over 14000+ images with a test accuracy of 86%
- Performed data augmentation to improve model generalization capability
- Visualized the Activation Maps used by CNN to make predictions using Grad-CAM to explain how AI models think

TOPSIS Package Link

Python, Pandas, Numpy, PyPi

- Developed a command line python program to implement Multi-criteria decision making using TOPSIS (Technique for Order of Preference by Similarity to Ideal Solution)
- Developed a python package and published it on pypi.org

Portfolio Website Link

HTML, CSS, Javascript

- Developed a responsive portfolio website showcasing my education, skills and projects using only vanilla HTML, CSS, and Javascript.
- Deployed the finished website using GitHub Pages.

Languages Known

English | Hindi | Punjabi