



Baldeep Singh

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SUMMARY

Motivated Computer Science student with a strong foundation in programming, web development, and machine learning. Seeking opportunities to apply my skills and contribute to innovative projects.

EDUCATION

Thapar Institute of Engineering and Technology, Patiala **2019-2023**

B.E in Computer Science and engineering

CGPA -6.39

Coursework: Operating Systems, Data Structures and Algorithms,

Database management systems, Financial analysis, Financial accounting

Kendriya Vidyalaya

2018

CBSE, Class 12th

Percentage - 90.6 %

Kendriya Vidyalaya

2016

CBSE, Class 10th

CGPA : 9.6

SKILLS

Languages : C++, C, Javascript, Python, HTML, CSS, SQL

Frameworks : React.js, Node.js, Express.js, Spring boot(familiar).

Tools : Git, AWS, MS Visual Studio Code

PROJECTS

ProShop - Full stack e-commerce web app

[GitHub Link](#)

Skills: React.js, Express.js, Node.js, MongoDB

Developed a dynamic e-commerce site using the MERN stack.

Machine learning projects :

Breast cancer detection

[GitHub Link](#)

Created a machine learning model to classify breast tumors (malignant or benign) using cell nucleus images from the UCI Machine Learning Repository.

Facial Recognition

[GitHub Link](#)

Developed a deep learning model for facial emotion recognition using 48x48 pixel grayscale images.

Gender Classification with MLP

[GitHub Link](#)

Used an MLP neural network to classify gender (male or female) from voice features. Achieved high accuracy and robust performance post-training.

Visualizing Filters of a CNN

[GitHub Link](#)

Utilized TensorFlow and VGG16 model to visualize CNN filters across different layers. Applied gradient ascent to generate images that activate specific filters effectively. Demonstrated proficiency in machine learning and image analysis.

Object Recognition

[GitHub Link](#)

Key Skills : Python, Keras, Tensorflow, Pandas, Numpy, Scikit-learn. A convolutional neural network model for object recognition. Used CIFAR-10 images datasets from keras datasets module, which contains 50,000 32x32 color training images and 10,000 test images, labeled over 10 categories.

ACHIEVEMENTS AND CERTIFICATIONS

- Academic Scholarship awarded for 97.8 percentile in JEE Mains at TIET, 2019-2020.
- Solved around 200+ coding problems on various coding platforms.
- Accounting Fundamentals, corporate finance institute.
- The Complete Financial Analyst Course 2022,Udemy.

ADDITIONAL INFORMATION

- Languages: English,Hindi,Punjabi
- Interest and Hobbies: Web Development,Machine learning and Finance.