ABHIJEET SAURABH

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Education

Dayananda Sagar Academy of Technology and Management	**2021-2025**
Bachelor's of Engineering in Artificial Intelligence and Machine Learning	*CGPA: 7.8/10*
Ishan International Public School	**2020**
(12th Grade CBSE Boards)(PCM)	*Percentage: 72.75%*
Dav Public School	**2018**
(10th Grade CBSE Boards)	*Percentage: 89.6%*

Relevant Coursework

- Data Structure
- Algorithms Analysis
- Machine Learning
- Computer Network
- Java
- Database Management
- NLP
- Python
- Artificial Intelligence
- Operating System

Projects

Chess PGN To Video | *OpenCV, Python, Pygame*
- Developed tool to convert chess **PGN** files into video format using **OpenCV**, **Python**, and **Pygame**.
- Enhanced data visualization with advanced **image processing** techniques.
- Created dynamic annotations to highlight critical moves and game phases.

License Plate Detection and Recognition | *OpenCV, Python, Machine Learning*
- Developed automated license plate detection system using **OpenCV** and **Python**.
- Implemented **image processing** techniques, achieving **95%** detection accuracy.
- Utilized **Optical Character Recognition** algorithms with **88%** recognition rate.

Twitter Sentiment Analysis | *Python, Tweepy, Matplotlib, NLP*
- Developed sentiment analysis tool using **Twitter API** and **Natural Language Processing**.
- Utilized **NLP** techniques to preprocess text and identify emotions.
- Implemented visualization component using **Matplotlib** for sentiment results.

Kidney Disease Prediction | *Python, MLflow, Scikit-learn*
- Developed kidney disease prediction model using **Python** and **Keras**.
- Deployed **MLflow** for experiment tracking, reducing analysis time by **40%**.
- Guided **AWS** deployment including **IAM** setup and **ECR** configuration.

Student Study Information System | *SQL, Python*
- Designed centralized **SQL** database for managing student records.
- Developed user-friendly interfaces for efficient data management.
- Introduced scalable **SQL** solution for strategic decision-making in education.

Technical Skills

Languages & Tools: Java, Python, SQL, R, Data Structures and Algorithms, VS Code, Eclipse, Jupyter Notebook, R Studio, Anaconda
Technologies & Frameworks: Machine Learning, NLP, Computer Vision, Data Science, Scikit-Learn, Numpy, Pandas, Pytorch, TensorFlow
Data Visualization & Statistical Analysis: Matplotlib, Seaborn, Excel

Certificates

Python Foundation Certification	**Infosys SpringBoard**
Machine Learning For All	**Coursera**
100% Job Ready DSA Course in JAVA	**LearnYard**

Extracurricular

Student Volunteer	**2021-2025**
way for life	*NGO*

Hobbies and Personal Interests

- Photography: Capture and edit photos to convey stories.
- Badminton: Player
- Traveling: Explorer