



Harshita Bajaj

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ACADEMIC DETAILS

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	SCORE	YEAR
B. Tech	COMPUTER SCIENCE	THE NORTHCAP UNIVERSITY, GURGAON	8.08 CGPA	2024
CLASS XII	SCIENCE	BAL BHARTI SCHOOL, BAHADURGARH	83%	2020
SUBJECTS/ELECTIVES		Machine Learning, Data Science, Artificial Intelligence, Database Management System, Computational Statistics, Operating System, Software Engineering and Project Management, Computer Vision, and Natural Language Processing, Deep Learning		
TECHNICAL PROFICIENCY		Machine Learning Algorithms, Data Science, Python, Data Structures & Algorithm, Java, SQL, Object-Oriented Programming (OOPs), Artificial Intelligence, Natural Language Processing		
SOFT SKILLS		Communication, Adaptable, Strong Analytical and Problem Solving, Time Management, Teamwork, Multi-tasking, Initiative, Leadership		

SUMMER INTERNSHIP/ WORK EXPERIENCE

TECHNOLOGY AND DIGITAL CONSULTANT INTERN Mazars, Gurugram, Haryana	Feb 2023 - April 2023
<ul style="list-style-type: none">Researched the architecture of OpenAI models, particularly focusing on the transformer architecture used in GPT models.Used Tableau for data visualization and analysis, providing actionable insights and delivering compelling visualization.Worked on business proposals.	
DATA ANALYTICS CONSULTING VIRTUAL KPMG AU Virtual Internship	July 2023
<ul style="list-style-type: none">Data Quality Assessment: Conducted thorough evaluations of dataset integrity, identified anomalies, and implemented data cleaning strategies to ensure high-quality data for analysis.Data Insights: Utilized statistical analysis and visualization tools to extract meaningful patterns and trends.Data Insights and Presentation: Compiled and communicated key findings through compelling visualizations and presentations.	
DATA ANALYST INTERN CountryEdu Private Limited, Gurugram	Jun 2022 --Aug 2022
<ul style="list-style-type: none">Built projects like Restaurant Recommendation System, Inventory Management System.Conducted exploratory data analysis to uncover patterns using statistical analysis, data visualization.	
DATA MINING INTERN Make Me Builder (OPC) Pvt. Ltd., Gurugram, Haryana	Jun 2022 --Aug 2022
<ul style="list-style-type: none">Organized Data.Performed data mining on different datasets.Worked with different Python algorithms to reduce and clean the data.	

PROJECTS

LANE DETECTION SYSTEM FOR SELF DRIVING CARS

- Implemented a lane detection algorithm and used the Hough transform to identify and highlight lanes in images or videos.
- Implemented image processing pipeline: grayscale, blur, Canny edge detection.

NUMBER PLATE DETECTION AND TEXT EXTRACTION (OCR)

- Implemented number plate detection system using Python and OpenCV for vehicle image or video processing.
- Utilized computer vision techniques including object detection, plate localization, character segmentation, and Tesseract OCR to extract vehicle numbers.

FACIAL RECOGNITION SYSTEM WITH ATTENDANCE SYSTEM:

- Built project on facial recognition, where it detects the person, whose image is stored as data. A facial recognition system is a technology capable of matching a human face from a digital image.
- Used Python libraries such as: OpenCV, Pickle etc.

DISASTER PREDICTION USING TWEETS:

- Developed a disaster prediction system using Python and natural language processing techniques to analyze tweets.
- Utilized machine learning algorithms like SVM, random forest and text classification models to classify tweets as disaster-related or non- disaster. and evaluated their accuracy and precision.

CERTIFICATIONS AND EXTRA ACTIVITIES

- Joy of Computing with Python
- Patent published - A PRESSURE-RESISTANT ROBOTIC ARM FOR DEEP-SEA EXPLORATION AND SAMPLE COLLECTION
- Hackathon -Smart India Hackathon
- AWS Academy Machine Learning