GURVEER SINGH

Bachelor of Computer Science
Computer Science(AI-ML)
Chandigarh University, Mohali

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Education

Degree	Institute	CGPA/Percentage	Year
B.Tech., CSE	Chandrgarh University,Mohali	7.77	2021-25
Senior Secondary	Kendriya Vidyalaya No. 2 A.F.S	88	2020-21
Secondary	Kendriya Vidyalaya No. 2 A.F.S	90.2	2018-19

Skills

- **Programming Languages**: Python, HTML, CSS, Java, C++
- **Tools**:VS code,Jupyter,Google Colab, Sql,Power BI
- **Libraries/Frameworks**:Pandas, Numpy, Matplotlib, Tensorflow, Pytorch and Seaborn,Scikit-learn
- **Containerization**:Docker and Kubernetes.
- **Soft skills**: Collaborative, Fast learner, Excellent Communication, Good listener

Experience

- **BHARAT INTERN**
  Data Analyst
  - Collaborated with a team to build and deploy data-driven projects such as Customer Sentiment Analysis and Real-Time Object Detection using state-of-the-art AI techniques.
  - Conducted in-depth data preprocessing and analysis, transforming raw data into clean and actionable insights to aid decision-making.
  - Enhanced AI-driven capabilities for client solutions and optimized pipelines for better performance.

Projects

- **Project A: Customer Sentiment Analysis Using NLP**
  Tools: Python, Pandas, NumPy, NLTK, Matplotlib, Seaborn
  - Preprocessed textual data by cleaning, tokenization, lemmatization, and stop-word removal using Python libraries like NLTK
  - Visualized sentiment distribution and key trends using Matplotlib and Seaborn to derive actionable business insights.
  - Automated the generation of sentiment trend reports for streamlined decision-making processes
  - Improved customer feedback categorization, enabling actionable recommendations for enhancing product features and services.

- **Project B: [Object Detection]**
  Tools: Python, TensorFlow, PyTorch, OpenCV, YOLO (You Only Look Once)
  - Developed an object detection system to identify and classify objects (e.g., cars, pedestrians, and animals) in real-time from video feeds.
  - Integrated OpenCV for video frame processing and real-time visualization of bounding boxes and detection labels.
  - Delivered actionable insights for video surveillance applications and automated monitoring systems.

Certifications

- **Advanced Machine Learning on Google Cloud** | 4 Courses | Coursera
- **IBM Data Science** | 4 Courses | Coursera
- **Analytics for Decision Making** (University of Minnesota)| 4 Courses | Coursera
- **Introduction to TensorFlow for Computer Vision** (Coursera)| Object detection, image processing|
- **SQL for Data Science**(Coursera) | Writing SQL queries for analyzing and exploring datasets.|