

Abhuday Sudhir

+91-6397253171
abhudaysudhir2003@gmail.com
abhuday-sudhir
abhuday-sudhir



OVERVIEW

Hands-on experience in Machine Learning and Deep Learning, backed by strong design and analytical abilities. Proficient in Python, TensorFlow, Keras, SQL, and well-versed in Data Structures and Algorithms. Experienced in data preprocessing, model building, and deployment. Driven to apply AI for social impact and deliver actionable insights.

EDUCATION

- Jaypee University Of Engineering And Technology** 2022-2026
Bachelor of Technology-Computer Science and Engineering CGPA: 7.6
- St. Conrad's Inter College** 2021
Class 12th , ISC Percentage: 91.25
- St. Conrad's Inter College** 2019
Class 10th , ICSE Percentage: 91.6

PROJECTS

- Drowsguard** August 2024-November 2024
A deep learning project to detect drowsiness in drivers
 - Developed a real-time drowsiness detection system with a Convolutional Neural Network (CNN) achieving **over 90% accuracy**.
 - Processed over 10,000 images** for training to recognize eye closure and yawning patterns.
 - Enhanced the model** by experimenting with advanced architectures like **Transfer Learning** with pre-trained models (e.g., **VGG16**, **ResNet**).
- Youtube Comments Sentiment Analysis** July 2024
A natural language processing project to determine whether the comments are positive, negative, or neutral.
 - Engineered a sophisticated sentiment analysis system for YouTube comments, **boosting accuracy by 40%** and enabling targeted content strategies that **increased user engagement by 25%**
 - Used **pretrained NLP embeddings** to **improve accuracy by 15%**.
 - Designed a **flask application** and **deployed it using AWS Elastic Beanstalk** to facilitate user interaction and data input as video URL.
- Customer Segmentation** June 2024
Customer segmentation with a Flask app to visualize the clusters.
 - Implemented K-means clustering to segment over **1,000 customers based on behavior**, resulting in a **15 % improvement** in targeted marketing strategies
 - integrated a **Flask and Matplotlib-based web app** for real-time, interactive visualization of customer clusters, **improving user engagement by 30 %** for non-technical stakeholders.

SKILLS

Technical: Python , Java , SQL , TensorFlow , Scikit-Learn , OpenCV
Tools and Platforms: Google Colab , Jupyter Notebook, Visual Studio Code, Kaggle, Anaconda
Soft: Teamwork , Adaptability , Efficient project scheduling , Communication , Creativity
Certificates: Data Science and Machine Learning : Udemy , Java Basics : HackerRank

POSITIONS OF RESPONSIBILITY

- Volunteer & Coordinator:** Computer Society of India(CSI), BITWISE coding club September 2022- May 2024
-Attended coding workshops, technical talks and Secured 5th place in Codeathon 1.0
- Coordinator:** Tachyon, BITWISE coding club November 2024
-Planned and scheduled the execution of coding workshops, technical talks, and Codeathons.