Akash Adhyapak

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EDUCATION

K J Somaiya Institute Of Technology, Mumbai **2021 - 2025**
Electronics and Telecommunications Engineering - ***CGPA - 9.15*** *Mumbai, India*
With Honours in Data Science

Alvas PU College **2021**
Karnataka PUC -***99.5%*** *Karnataka, India*

Sai International School **2019**
CBSE -***92.2%*** *Gadhinglaj, India*

TECHNICAL SKILLS

Fundamentals: Data Structure and Algorithms ,Software Engineering , Database Management

Languages: Python, C++, SQL, NoSQL

Technology: Data Science, Robotics, Machine Learning, Deep Learning, NLP

Developer Tools: VS Code, Tensor Flow, Github

PROJECTS

SmartNotes: AI-Powered Answer Generator | Flask, OpenAI API, RAG, HuggingFace

- Developed an AI-driven system using **Retrieval-Augmented Generation (RAG)** to extract text from lecture notes and question banks for automated answer generation.
- Built the backend with **Flask** and integrated OpenAI API for accurate, context-aware responses.

Disease Detection in Tilapia Fish | CNN , Machine learning, Deep Learning

- Built a fish disease detection model using **SVM, UMAP, and logistic regression**, achieving 92% accuracy on 3700+ images.
- Integrated the model into a mobile app for real-time disease detection, aiding aquaculture health monitoring.

IMDb Movie Review Sentiment Analysis | NLP, Machine Learning, NLTK, BeatifulSoup, Spacy

- Built a sentiment analysis model to classify IMDb reviews using NLP techniques like **text preprocessing, TF-IDF, and logistic regression**.
- Implemented real-time sentiment prediction, enhancing practical applications of the model.

POSITION OF RESPONSIBILITY

Chairperson of Robotics cell **2022 - 2023**

* Successfully taught level I robotics to school students in four different schools, fostering their interest and understanding of STEM concepts.
* Organized and supervised robotics competitions and showcases, allowing students to demonstrate their skills and accomplishments to a wider audience.

CTO of IEEE, KJSIT **2023 - 2025**

* Led the development and implementation of technology strategies to support IEEE's initiatives and projects.
* Supervised technical teams and ensured the successful execution of events and workshops focused on emerging technologies.

CERTIFICATIONS

Data Science for Engineers (NPTEL): Gained foundational understanding of data preprocessing, statistical analysis, and predictive modeling techniques using Python and R.

Machine Learning (NPTEL): Explored core ML concepts including supervised/unsupervised learning, model evaluation, and algorithm implementation from scratch.