SUFIYAN A

BE CSE Student | Specialization in AIML

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Professional Summary

A dedicated and motivated junior pursuing a **Bachelor of Engineering (BE) in Computer Science and Engineering** at **KPR Institute of Engineering and Technology**. Passionate about **Machine Learning, databases**, and software development, with hands-on experience in **data science, artificial intelligence, and web technologies**. Proficient in **Java, Python, C,** and experienced in implementing **machine learning models, data analysis, and web development solutions**.

Education

KPR Institute of Engineering and Technology, Coimbatore	**2022 - 2026**
BE Computer Science & Engineering	**CGPA: 8.17**
PMGHSS (Higher Secondary Education)	**2021** **95%**
BMHSS (Secondary Education)	**2019** **99%**

Skills

- **Programming**: Java, Python, C
- **Databases**: SQL
- **Machine Learning**: Scikit-Learn, TensorFlow, NLP, RAG
- **Web Development**: HTML, CSS, JavaScript, ReactJS
- **Data Visualization**: Matplotlib, Seaborn, Tableau, Power BI
- **Cloud and Devops**: AWS & Docker

Experience

Data Science Intern | EduPhoenix Private. Limited.   25/01/2024 - 25/02/2024

- Developed ML models for **regression and classification**.
- Analyzed datasets using **Pandas and NumPy**.

AI ML Intern | Reccsar Private. Limited.   20/01/2025 - 28/02/2025

- Worked on AI/ML models to enhance **predictive analytics** and **automation**.
- Implemented deep learning techniques for **image and text classification** to improve AI-driven solutions.

Projects

- **AI Chatbot Agent** – Built a chatbot using Python, TensorFlow, NLP, Flask, uvicorn, and Streamlit for automated queries.
- **Object Detection Using CNN** – Developed an object detection model with Python, OpenCV, TensorFlow, YOLO, and R-CNN.
- **Dog vs Cat Prediction** – Created a CNN-based dog vs cat classifier using TensorFlow and Transfer Learning.
- **Diabetes Prediction** – Built a diabetes prediction model with Scikit-Learn, Pandas, and Random Forest.
- **Loan Approval Prediction** – Designed a loan approval predictor using Scikit-Learn, XGBoost, and Decision Trees.
- **Customer Churn Analysis** – Applied ML techniques to analyze and predict customer churn with Scikit-Learn.

Certifications & Achievements

Certifications
- Natural Language Processing (NPTEL, 2025)
- Data Analytics with Python (NPTEL, 2024)
- Learning Analytics Tools (NPTEL, 2024)
- Data Science Fundamentals
- Preparing Data for Analysis (Excel)
- Microsoft Data Visualization (Tableau)
- Career Essentials in Generative AI
- Python and Machine Learning (ICS Institution)
- Introduction to NoSQL Databases (IBM)

Achievements
- LeetCode 100+ Problems Solved
- Gold in Acquiring Data - NASSCOM

Languages

Malayalam (Native)   **Tamil** (Advanced)   **English** (Advanced)   **Hindi** (Advanced)