NANDANA BALAKRISHNAN

CONTACT

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- in Nandana B

TECHNICAL SKILLS

- Programming Languages : Python, Java
- Artificial Intelligence
- Machine Learning
- Deep Learning
- Web Development : HTML,CSS,JS
- Data Visualization : Power BI
- MS Excel

EDUCATION

Presidency University

Bachelor of Technology in Computer Science and Engineering
Specialization: Artificial Intelligence and Machine Learning

2022 - 2026

Kendriya Vidyalaya Hebbal

- Intermediate
  2020 - 2022
- 10th Std
  2019- 2020

SUMMARY

I'm a dynamic and motivated third-year B Tech student with a strong interest in Artificial Intelligence and Machine Learning. I have strong problem-solving abilities, effective communication skills, and a friendly, positive attitude. I'm eager to work on projects that explore real-world applications of AI/ML and thrive in collaborative environments, always looking to contribute to team success.

PROJECTS

Voice Gender Recognition System
Mar 2025

- Developed a voice-based gender classification system using Librosa for audio feature extraction (MFCC, chroma) and Scikit-learn for model training, achieving over 90% accuracy.
- Integrated the model into a user-friendly interface to enable real-time gender prediction from voice input.

Fraud Detection System
Feb 2025

- Collaborated on building a fraud detection system using Python with Decision Trees and Random Forest to analyze e-commerce transactions and flag suspicious activity in real time.
- Integrated the system into a web application for merchants to easily monitor and review flagged transactions.

Personalized Nutritional Recommendation System
Dec 2024

- Developed a personalized nutritional recommendation system using machine learning algorithms to suggest diet plans based on user input such as age, BMI, and health goals.
- Utilized data handling and visualization techniques to process nutritional datasets and present user-friendly insights for effective dietary planning.

Personal Finance Management System (using Firefly III)
Jan 2024- May 2024

- Developed a personal finance management system using Firefly III deployed on a Raspberry Pi to help users track income, expenses, and budgets securely and locally.

Vibe Harmony

- Created a responsive front-end music web app that suggests songs based on user mood, supporting multiple languages. Built using HTML, CSS, JavaScript, and Bootstrap, with a focus on clean UI/UX, smooth navigation, and mobile-friendly design.

CERTIFICATIONS

- Artificial Intelligence Certification – Corizo
  Focused on Neural Networks, NLP, and Deep Learning fundamentals.
- Web Development Certification – Corizo
  Gained hands-on experience in building responsive and interactive websites.
- Machine Learning Certification – Corizo
  Acquired practical knowledge of core algorithms and model-building techniques.
- Deep Learning for Natural Language Processing – NPTEL
  Studied deep learning methods such as RNNs, LSTMs, and Transformers for advanced NLP tasks.