

# Mahendran B

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## Projects

### FIFA Player Performance & Economic Analytics (Link)

- Designed interactive Power BI Football Players dashboards to visualize performance data of 18,000+ football players (2015 to 2024), highlighting key metrics for different player positions.
- Created dynamic visualizations for top 10 player selections and KPIs, Significantly improving players selection accuracy.

### AI Mail Manager for Everyone (Link)

- Engineered and deployed an AI email management platform using Flask, Streamlit, and OpenAI GPT-4, enabling intelligent prioritization, automated response generation, and real-time analytics for 1,000+ monthly emails.
- Implemented Advanced features developed, including contextual responses based on RAG, sentiment-aware analysis and search of the knowledge base vector, Decreased the average customer response time by 70%.

### Deepfake Classification System (Link)

- Engineered a deep learning model achieving around 92 % accuracy in distinguishing between real and fake faces by leveraging Google Inception ResNet-V1 architecture on a dataset of 140,000 images.
- Leveraged Kaggle computational resources to train the model, ensuring robust performance across various facial expressions, angles, and lighting conditions, Minimized false positives by 20%.

### Brain Tumor Detection System (Link)

- Designed a Brain Tumor Detection System using PyTorch and Streamlit, achieving 91% accuracy in detecting the four types of brain tumors from MRI scans.
- Optimized a CNN model on a balanced dataset of 44,000 MRI images and Built a user-friendly interface for real-time diagnostics.

## Experience

### Infosys Springboard - AI intern.....

August 2025 - October 2025,

- Engineered and deployed a full-stack AI platform for Azure capacity planning, achieving 84.7 percent predictive accuracy and Saved Significant in annual cost savings.
- Coordinated and facilitated 3 Intra-college AI workshops, fostering a collaborative learning environment.

### Member, IEEE-CS Society.....

(Link)

Mar 2023 - Present,

- Conceptualized and taught 10+ hands-on GenAI and LLM exercises during a workshop; the workshop was rated 4.8/5 by students and improved understanding of GenAI concepts

## SKILLS

Back End	Python ,R, C++
Deployment	Streamlit, Flask
DBMS	MySQL, MongoDB
Version Control	GIT , GitHub
DSA	OOP Concepts
ML Libraries	TensorFlow,Pytorch, Scikit-learn, Open-CV, ML-flow
Data Analytics	Power BI

## EDUCATION

### S. A Engineering College

B.E - Computer Science(AIML)

CGPA: 8.0/10

## CERTIFICATIONS

-Advanced R Programming for Data Analytics in Business IIT Kanpur (NPTEL). (Link)

-Machine Learning Specialization by DeepLearning.AI (Andrew Ng). (Link)

-Deep Learning for Natural Language Processing by IIT-Kharagpur. (Link)

## Achievement (Link)

Secured Runner-Up at Nexus 2024 Project Expo Hackthon (IEEE Society) for the Deepfake Detection project, recognized for its AI-driven approach to combating digital misinformation.

## Links

🐙 github.com/Mahendran

🏆 kaggle.com/Mahendran

🏠 Leetcode.com/Mahendran