Nutient Intern Project Briefs

Project 1: Intelligent Food Recognition System

Project Brief: AI-Powered Food Analysis Engine

Objective:

To develop a robust machine learning system that can accurately identify food items from images, estimate portions, and provide real-time nutritional analysis. This includes Backend and Frontend development.

Key Focus Areas:

1. Computer Vision Development:

2. Nutritional Analysis Engine:

3. API Development:

4. Mobile Integration:

Expected Timelines:

- Week 1-2: Project setup, dataset collection, and architecture design

- Week 3-4: ML model development and training

- Week 5-6: Nutritional analysis engine development

- Week 7-8: API development and testing

Skills Required:

- Python (PyTorch or TensorFlow)

- Computer Vision and Deep Learning

- RESTful API Development

- Mobile Development experience

- Database Management

- Testing and Documentation

Future Career Opportunities:

Interns will gain expertise in computer vision, machine learning deployment, and mobile development. Successful candidates will receive priority consideration for full-time positions at Nutient.