

# **SYNOPSIS**

## **Career Buddy**

Career Buddy is an AI-powered system designed to help students choose the right career path by analyzing their interests, skills, and academic performance. Many students struggle to make informed decisions about their future due to limited guidance or confusion about available options. Career buddy provides personalized career recommendations, information about job roles, and suggestions for required courses. This makes career planning simple, accurate, and accessible for all students.

### **Modules**

#### 1. User Registration & Profile Module

Stores basic details academic background.

#### 2. Interest Assessment Module

Collects the user's interests using quizzes etc.

#### 3. Skill Evaluation Module

Identifies strengths and weaknesses

#### 4. Academic Performance Module

Analyzes marks/grades to understand the user's strong academic subjects.

#### 5. Data Pre-processing Module

Cleans and organizes user data for accurate predictions.

#### 6. AI Career Recommendation Module

Uses a simple ML model to suggest suitable careers.

#### 7. Career Information Module

Provides details about each career

#### 8. Course & Skill Recommendation Module

Suggests courses, certifications needed for the selected career path.

#### 9. User Dashboard Module

Shows career suggestions, progress.

#### 10. Data Storage & Logging Module

Stores user data, quiz results, and recommendations for future improvements.