Code Smart

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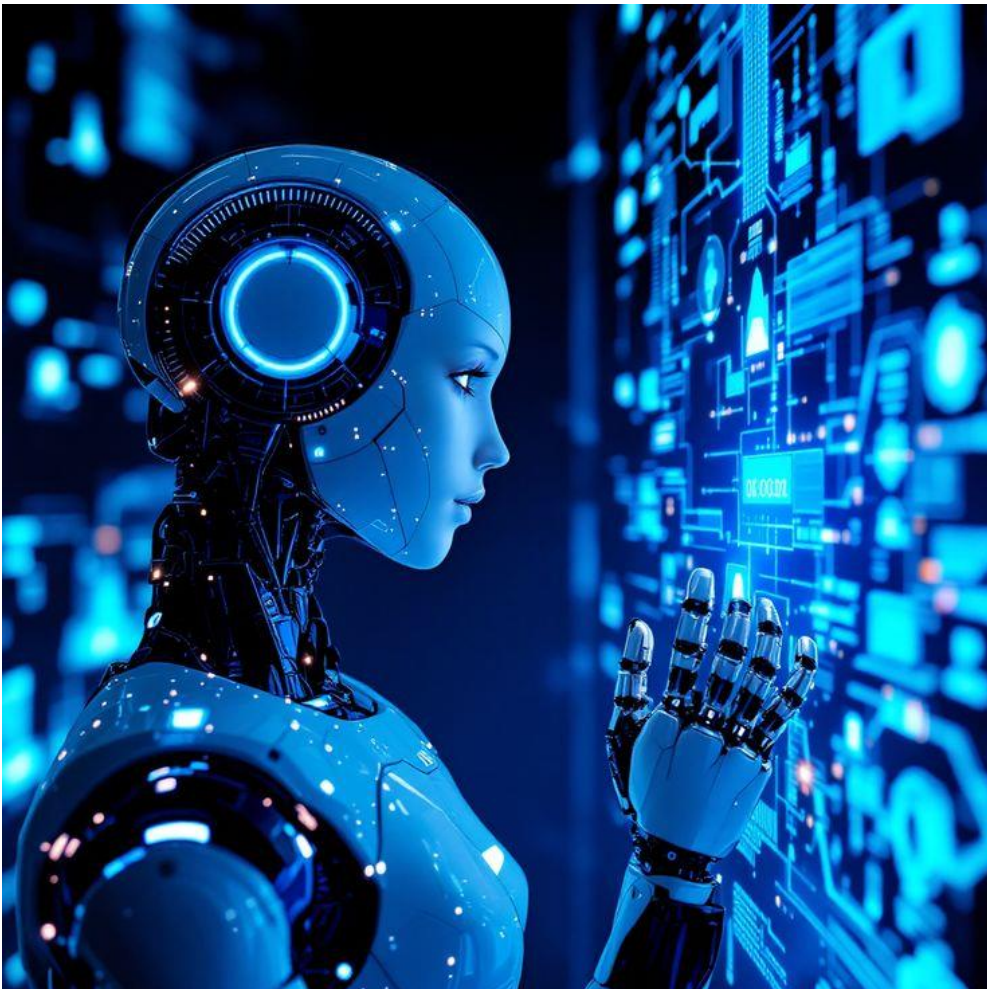Group 1

Table of Content

Name of the Organization: Code Smart

Introduction

Background: Why Code Smart Was Born

Code Smart was created out of a real struggle. As a student, I often found myself in situations where I desperately needed help with schoolwork and coding, but instead of receiving genuine support, I was used and taken advantage of. The pain of going through such experiences made me realize that no learner should ever have to face those kinds of challenges just to gain knowledge.

Many students today do not know where to start when it comes to coding and technology. Some are left behind because they learn at a slower pace, while others lose motivation because they lack proper guidance. Learning should never come with shame, pressure, or exploitation.

That is why Code Smart was born. The platform exists to provide a safe, supportive, and accessible environment where every learner — whether fast or slow — can grow at their own pace. Code Smart empowers students by offering clear, simple, and step-by-step tutorials that make learning easier and more enjoyable.

Ultimately, Code Smart is about giving back to the student community. It is about ensuring that no learner feels left behind or unworthy. It is about making education free, fair, and accessible to all.

Vision

- To create a world where every learner has equal access to coding knowledge.
- To empower students to become confident, independent, and innovative problem-solvers.
- To make coding simple, practical, and enjoyable for learners of all levels.
- To build a global community of learners who grow together without judgment.

Mission

- To provide step-by-step coding tutorials that cater to both fast and slow learners.
- To offer a safe, supportive platform where students can learn without fear or exploitation.
- To encourage self-confidence and independence in learning.
- To make coding resources free and accessible to all students worldwide.
- To inspire the next generation of programmers by simplifying complex concepts.

Target Audience

- university   students   studying   programming
  Beginners who are new to programming
- Learners preparing for assessments nd exams
- Anyone who wants a structured resource to understand coding fundamentals

Purpose of the Website

- The purpose of Code Smart is to provide a centralized learning platform where students can access tutorials, coding fundamentals, and guided resources. This will help learners strengthen their foundation in programming and prepare them for assessments, projects, and industry readiness.

Proposed Website Features and Functionality

- The website will consist of the following main pages:
  1. Home Page – Contains vision, mission, and introduction.
  2. Fundamentals – Covers programming fundamentals for each language.
  3. Tutorials – Provides step-by-step coding tutorials.
  4. About Us – Background and purpose of Code Smart.
  5. Contact – Embedded Google Maps location and contact form.

Design and User Experience

- - Color Scheme: Professional and clean (blue, white, grey).
  - Typography: Readable fonts such as Arial or Roboto.
  - Layout: Simple navigation bar with links to each section.
  - User Experience: Easy navigation, mobile-friendly layout.
  - Wireframes: Low-fidelity sketches will be included to show layout.

Technical Requirements

- - Hosting: GitHub Pages or XAMPP for local testing.
  - Domain: Optional custom domain (e.g., codesmart.co.za).
  - Languages: HTML, CSS, JavaScript.
  - Tools: Visual Studio Code, Git, Figma for wireframes.

Timeline and Milestones

- Week 1-2: Research, planning, and proposal writing.
  Week 3: Design low-fidelity wireframes.
  Week 4: Develop core website structure (HTML/CSS).
  Week 5: Add tutorials and fundamentals sections.
  Week 6: Add About and Contact pages.
  Week 7: Testing and improvements.
  Week 8: Final submission.

Budget

- Estimated   costs:
  -              Hosting: Free   (GitHub   Pages).
  -           Domain   name: R100   –   R150/year.
  -           Tools: Free   (VS   Code,   GitHub,   Figma).
  Total Budget: Approximately R150.

References

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