

HealthAI: Intelligent Healthcare Assistant Using IBM Granite

Technical Architecture

Outline of system components and how they interact.

Tools: IBM Granite, Flask, MongoDB, etc.

Project Workflow

Visual map or steps of how the project progresses from start to end.

Stages: Plan -> Develop -> Test -> Deploy -> Monitor

Milestone 1: Model Selection and Architecture

Choosing the right ML/NLP model and defining the structure.

Model: IBM Granite

Architecture: Microservice or Monolith?

Milestone 2: Core Functionalities Development

Building the health assistant's brain.

Tasks:

- Disease prediction
- Symptom checker
- Recommendation system

App.Py Development

Main backend server file.

Technologies: Flask, API Routes

Tasks:

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- Create Flask app
- Define endpoints
- Integrate IBM Granite

Design and Develop the User Interface

Create a user-friendly, clean interface.

Tools: HTML, CSS, JavaScript, Bootstrap

Test on mobile and desktop

Deployment

Take your app live for real users.

Options: Heroku, Render, IBM Cloud

Security, performance, scaling

Conclusion

Final summary and learning outcomes.

What went well? What could improve?

Performance metrics & demo