

Multi-Agent Code Analysis & Documentation System

Authentication and Signup Flow

- Signup/Registration flow for new users
- Login as either User or Admin
- User sees their own projects

The screenshot shows the login interface for the "Intelligent Code Analysis Platform". At the top right, there is a "Deploy" button with a gear icon. The main title is "Welcome Back" with a small profile icon. Below it, the platform name "Intelligent Code Analysis Platform" is displayed. A "Demo Account" section shows placeholder email and password fields. The login form includes fields for "Email Address" (with value "you@example.com") and "Password" (with placeholder "Enter your password"). There is also a "Remember me" checkbox. A large "Log In" button is centered at the bottom of the form. Below the form, a link says "Don't have an account? [Create one now](#)" and a "Create New Account" button is visible.

Deploy ⚙

Welcome Back

Intelligent Code Analysis Platform

Demo Account:

Email: demo@example.com
Password: demo123456

Email Address

Password

Remember me

Don't have an account? [Create one now](#)

- Uploads codebase (ZIP or GitHub URL)

The screenshot shows a web browser window with the URL `localhost:8502`. On the left, there is a sidebar for user authentication with fields for email and password, and a "Log Out" button. Below this, there are tabs for "GitHub URL" and "Upload ZIP". The "Upload ZIP" tab is active, showing a form to "Select ZIP file" with a "Drag and drop file here" input field containing "sample-5.zip 8.0MB" and a "Browse files" button. There is also a "Project Name" field set to "ZIP File Analysis - 1" and a "Generate docs for:" dropdown menu with "sde" and "pm" selected. A "Upload & Analyze" button is at the bottom of this section.

The main content area is titled "Multi-Agent Code Analysis Dashboard" with a subtitle "My Repository Analysis - 1". It displays "Repository Intelligence" data:

Repo Type	Code Chunks	Confidence
UNKNOWN	0	85%
Code Files	Total Files	Frameworks
0	134	0

Below this, sections for "Detected Frameworks" and "Important Files" are shown. The "Important Files" table is as follows:

File Name	Type	Size (KB)	Path
README.md	md	2.58	README.md

At the bottom, there is a section titled "Persona-Specific Insights".

- Selects target personas (SDE, PM, or both)

- User-controlled analysis flow with interactive pause/resume
- Initiates analysis
- See project created with unique identifier
- Files that are too large (define reasonable limit, e.g., 100MB)

localhost:8501

ankumar23@deloitte.com

Role: user

GitHub URL: [Upload ZIP](#)

Upload ZIP File

Select ZIP file

Drag and drop file here
Limit 200MB per file + ZIP

Browse files

sample-5... x 8.0MB

Project Name

ZIP File Analysis - 2

Generate docs for:

sde x pm x

Upload & Analyze

ID: 3b93b746-9684-40bb-8ef5-e6edf5867898

GitHub: <https://github.com/ankumar23-blip/Multi-Agent-Code-Analysis-Documentation-System>

Personas: SDE, PM

X Status: FAILED

Error: 'dict' object has no attribute 'name'

Created: 2025-12-11

[View Details](#)

ID: 25e113e9-695a-4a92-b386-55f1ec54a612

GitHub: <https://github.com/ankumar23-blip/Multi-Agent-Code-Analysis-Documentation-System>

Personas: SDE

X Status: FAILED

Error: 'dict' object has no attribute 'name'

Created: 2025-12-11

[View Details](#)

ZIP File Analysis - 1

ID: ca47899b-e695-473e-a522-4d7c03586516

Uploaded ZIP: sample-5.zip

Personas: SDE, PM

✓ Status: COMPLETED

Created: 2025-12-11

[View Details](#)

ZIP File Analysis - 2

ID: b998cf4-4ef1-492f-88e7-8966bed57ff9

Uploaded ZIP: sample-5.zip

Personas: SDE, PM

⏳ Status: ANALYZING

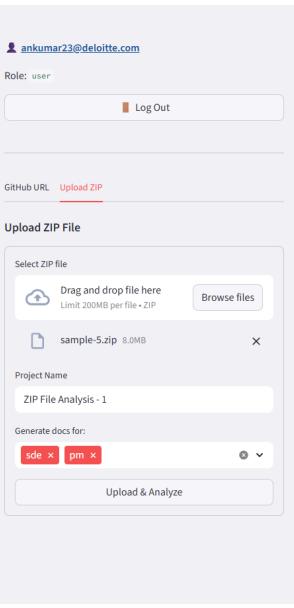
Detecting frameworks...

45%

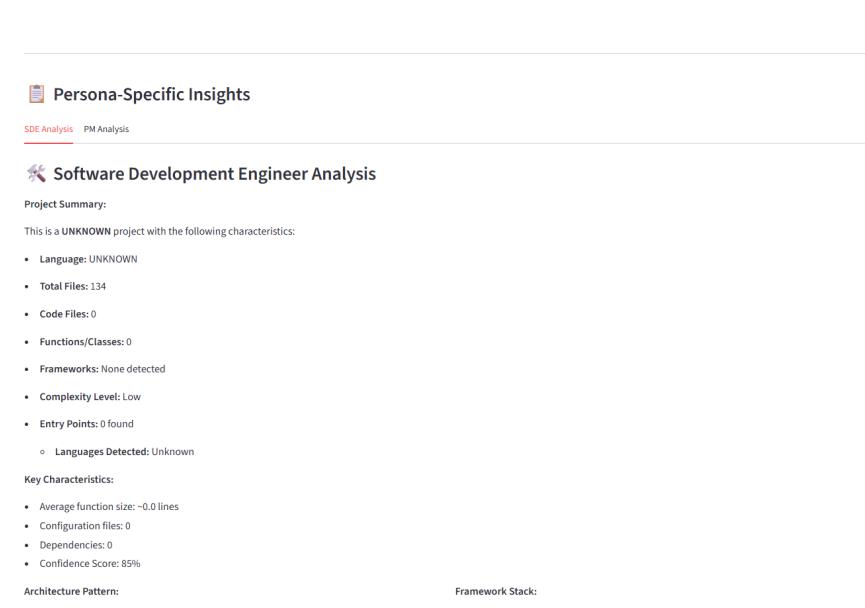
Created: 2025-12-11

[View Details](#)

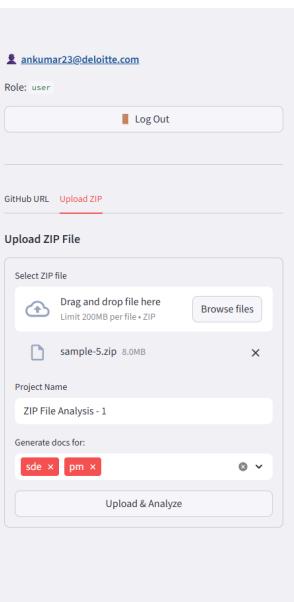
- Views structured reports per persona



The screenshot shows the 'Persona-Specific Insights' interface. At the top, there's a header with a user icon and the email 'ankumar23@deloitte.com'. Below it is a 'Role' dropdown set to 'user' with a 'Log Out' button. A 'GitHub URL' input field is followed by a red 'Upload ZIP' button. The main area is titled 'Software Development Engineer Analysis' with a subtitle 'Project Summary:'. It states 'This is a UNKNOWN project with the following characteristics:' and lists items like 'Language: UNKNOWN', 'Total Files: 134', etc. Below this is a 'Key Characteristics:' section with items such as 'Average function size: -0.0 lines', 'Configuration files: 0', etc. At the bottom are sections for 'Architecture Pattern:' and 'Framework Stack:', both currently empty.



This screenshot shows the same interface but with the 'PM Analysis' tab selected. The 'Project Summary:' section is identical. The 'Key Characteristics:' section also remains the same. The 'Architecture Pattern:' and 'Framework Stack:' sections are still empty.



This screenshot shows the 'SDE Analysis' tab selected. The 'Key Characteristics:' section includes items like 'Average function size: -0.0 lines', 'Configuration files: 0', etc. The 'Architecture Pattern:' section is labeled 'Custom' and contains sections for 'Technical Details', 'Code Quality', 'SDE Recommendations', and 'Key Files for SDE'. The 'Framework Stack:' section is labeled 'None'. The 'Code Chunks' section shows 'Total Chunks: 0'. The 'Code Search' section has a search bar with placeholder text 'e.g., "authentication", "database", "api endpoints"...

[ankumar23@deloitte.com](#)

Role: user

[Log Out](#)

[GitHub URL](#) [Upload ZIP](#)

GitHub Repository

Project Name
My Repository Analysis - 1

GitHub URL
<https://github.com/vivek9patel/vivek9patel.github.io>

Generate docs for:
[sde](#) [pm](#) [...](#)

Description (optional)
GitHub Repository Analysis - 1

[Create Project](#)

Persona-Specific Insights

[SDE Analysis](#) [PM Analysis](#)

Product Manager Analysis

Project Overview:
This is a **General-purpose Application** built with **Custom implementation**.

Project Scope:

- Total Files: 134
- Code Implementation Files: 0
- Key Functions/Features: 0
- Technology Stack: UNKNOWN
- Deployment Type: Traditional Server/Cloud
- Configuration Files: 0

README Summary: This is a personal portfolio website of theme Ubuntu 20.04, made using Next.js & tailwind CSS. If you want to edit this. Clone this project and edit the files in /src/components..

Scale & Complexity:

- Repository contains 0 implementation files across 0 entry points
- 0 external dependencies integrated
- Confidence in analysis: 85%

Key Capabilities Identified: Based on code analysis, this project implements core functionality in UNKNOWN with detected frameworks: Custom implementation

Identified Features	
Authentication:	Data Management:
• Not detected	• Not detected

[ankumar23@deloitte.com](#)

Role: user

[Log Out](#)

[GitHub URL](#) [Upload ZIP](#)

GitHub Repository

Project Name
My Repository Analysis - 1

GitHub URL
<https://github.com/vivek9patel/vivek9patel.github.io>

Generate docs for:
[sde](#) [pm](#) [...](#)

Description (optional)
GitHub Repository Analysis - 1

[Create Project](#)

Persona-Specific Insights

[SDE Analysis](#) [PM Analysis](#)

Product Manager Analysis

Project Overview:
This is a **General-purpose Application** built with **Custom implementation**.

Key Capabilities Identified: Based on code analysis, this project implements core functionality in UNKNOWN with detected frameworks: Custom implementation

Identified Features	
Authentication:	Data Management:
• Not detected	• Not detected

User Flows	
Primary Flows:	
• User Authentication	
• Data Access/Query	
• Content Creation/Update	
• System Integration	
• Error Handling & Logging	

Business Logic	
Core Functions:	
Business Rules:	
• Input validation and sanitization	
• Access control and permissions	

The screenshot shows a user interface for project analysis. On the left, there's a sidebar with a user profile (ankumar23@deloitte.com), role (user), and a 'Log Out' button. Below that are sections for 'GitHub URL' (GitHub URL) and 'Upload ZIP'. The main area is titled 'GitHub Repository' and contains fields for 'Project Name' (My Repository Analysis - 1), 'GitHub URL' (https://github.com/vivek9patel/vivek9patel.github.io), and 'Generate docs for:' (sde x pm x). A 'Description (optional)' field contains 'GitHub Repository Analysis - 1'. At the bottom is a 'Create Project' button. To the right, there are several sections: 'Implement caching layer for frequently accessed data', 'Consider database indexing strategy', 'Monitor performance metrics', 'Plan for horizontal scaling', 'PM Recommendations' (1. Document feature capabilities for customer-facing materials, 2. Identify and prioritize technical debt for future sprints, 3. Plan user documentation based on identified workflows, 4. Consider expansion opportunities based on current architecture, 5. Evaluate third-party integration opportunities, 6. Plan for scalability improvements if user growth is expected), 'Stakeholders' (Key Stakeholders: Product Owner, Engineering Lead, DevOps Team), and 'Code Chunks' (Total Chunks: 0).

● Explores visual diagrams

This screenshot shows the same application interface but with a different focus. The left sidebar includes 'GitHub URL' and 'Upload ZIP'. The main area has a 'Visual Diagrams & Export' section with tabs for 'Load Diagrams', 'Export Markdown', and 'Export PDF (demo)'. Under 'Flowchart Diagram', there is a flowchart diagram with nodes A[Users], B[Service], C[Business Logic], D[Data Layer], and E[Storage] connected by arrows. Under 'Flow Diagram', there is a flowchart diagram with nodes Start, detect, analyze, extract, and end. Under 'Sequence Diagram', there is a sequence diagram with participants User, API, and Analyzer. At the bottom is an 'Er Diagram' section.

- Asks follow-up questions

The screenshot shows the 'ZIP File Analysis - 1' interface. On the left, there's a sidebar with 'Role: user', 'GitHub URL' (disabled), and a 'Upload ZIP' button. Below it is a 'Upload ZIP File' section with a file input, a drag-and-drop area, and a 'Browse files' button. A preview shows 'sample-5... 8.0MB'. Under 'Project Name', it says 'ZIP File Analysis - 1'. In 'Generate docs for:', 'sde' and 'pm' are selected. At the bottom is an 'Upload & Analyze' button.

ZIP File Analysis - 1

Repository Intelligence

Repo Type	Code Chunks	Confidence
UNKNOWN	0	85%
Code Files	Total Files	Frameworks
0	7	0

Detected Frameworks:

Interactive Q&A and Context

Ask about current analysis or codebase
Your question: What are you analyzing right now?
Instruction: Focus more on the payment module
Priority: normal
Add Context

Visual Diagrams & Export

Load Diagrams Export Markdown Export PDF (demo)

- Downloads documentation in multiple formats

The sidebar remains the same as the previous screenshot. The main area shows the 'Visual Diagrams & Export' section with 'Load Diagrams', 'Export Markdown', and 'Export PDF (demo)'. A note says 'PDF generation with rendered Mermaid is not implemented in this demo build.' Below it is a 'Download PDF (raw md content)' button.

Persona-Specific Insights

SDE Analysis **PM Analysis**

Software Development Engineer Analysis

Project Summary:

This is a UNKNOWN project with the following characteristics:

- Language: UNKNOWN
- Total Files: 7
- Code Files: 0
- Functions/Classes: 0
- Frameworks: None detected

User interface screenshot showing the analysis of a ZIP file named "sample-5...".

Left Panel:

- Role: user
- GitHub URL: [Upload ZIP](#)
- Upload ZIP File:
 - Select ZIP file
 - Drag and drop file here
 - Limit 200MB per file + ZIP
 - Browse files
- Project Name: ZIP File Analysis - 2
- Generate docs for:
 - sde
 - pm
- Upload & Analyze

Right Panel:

- Deploy
- Add Context
- Visual Diagrams & Export
 - Load Diagrams
 - Export Markdown
 - Export PDF (demo)
 - Download .md
- Persona-Specific Insights**
 - SDE Analysis
 - PM Analysis
- Software Development Engineer Analysis**
- Project Summary:**

This is a UNKNOWN project with the following characteristics:

 - Language: UNKNOWN
 - Total Files: 7
 - Code Files: 0
 - Functions/Classes: 0
 - Frameworks: None detected
 - Complexity Level: Low
 - Entry Points: 0 found

User interface screenshot showing the analysis of a ZIP file named "sample-5...".

Left Panel:

- Role: user
- GitHub URL: [Upload ZIP](#)
- Upload ZIP File:
 - Select ZIP file
 - Drag and drop file here
 - Limit 200MB per file + ZIP
 - Browse files
- Project Name: ZIP File Analysis - 2
- Generate docs for:
 - sde
 - pm
- Upload & Analyze

Right Panel:

- Deploy
- Add Context
- Visual Diagrams & Export
 - Load Diagrams
 - Export Markdown
 - Export PDF (demo)
 - Download .md
- Persona-Specific Insights**
 - SDE Analysis
 - PM Analysis
- Software Development Engineer Analysis**
- Project Summary:**

This is a UNKNOWN project with the following characteristics:

 - Language: UNKNOWN
 - Total Files: 7
 - Code Files: 0
 - Functions/Classes: 0
 - Frameworks: None detected
 - Complexity Level: Low
 - Entry Points: 0 found