

ORACLE
APEX



India Oracle APEX User Group

APEX 
DAYS 2025

Bringing Intelligence into Modern Applications

Ashish Sahay

Transforming Ideas into code



November 22, 2025



Ashish Sahay

Founder and CEO Ontoor Solutions

Transforming Ideas into code

- APEX Enthusiast
- Oracle ACE Alumni
- Open-Source Plugins
- Certified Scrum Master, Agile Scrum Master
- Driving Agile Transformation
- Scalable Solutions in Oracle APEX
- Blogger and Content Creator
- Conference Speaker



Agenda

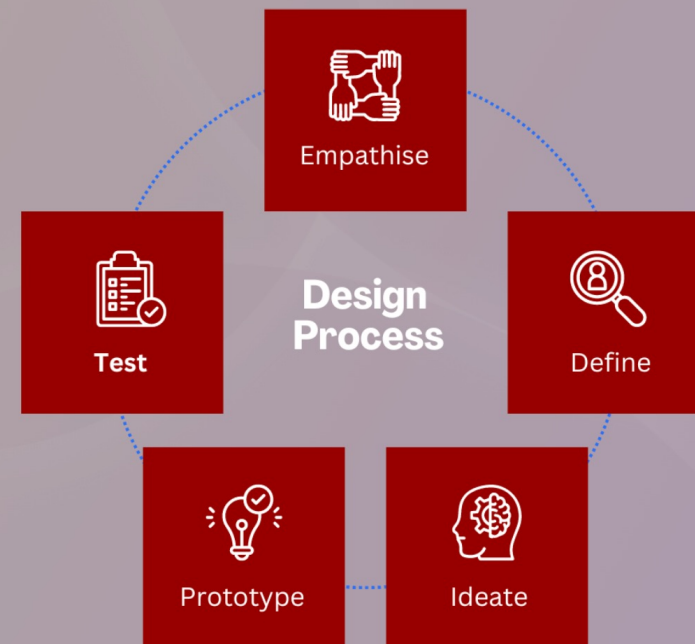
- Customer Success and Delivered services
- Generating AI-Based Output Without Large Language Models (LLMs)
- Retrieval-Augmented Generation (RAG) in APEX
- APEX_AI Package: Leveraging AI in APEX
- Automatic Suggestions Using AI



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Transforming Ideas
into Code

EXPLORE



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Services

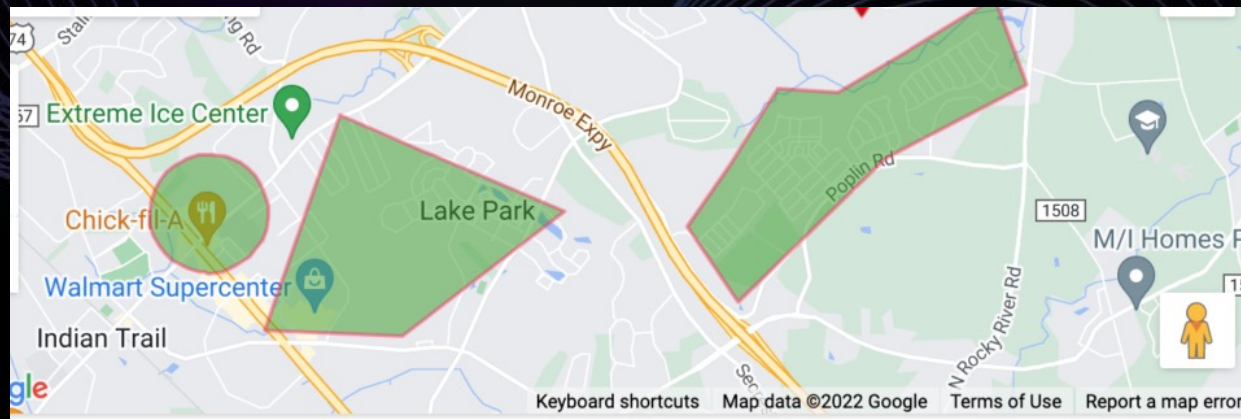
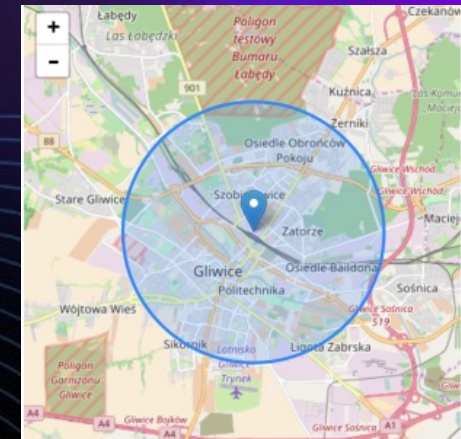
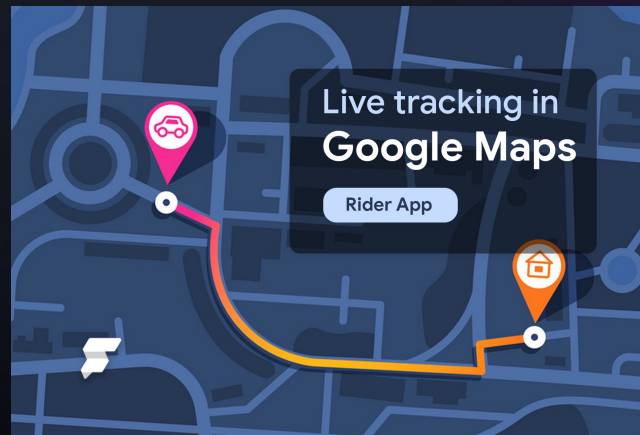
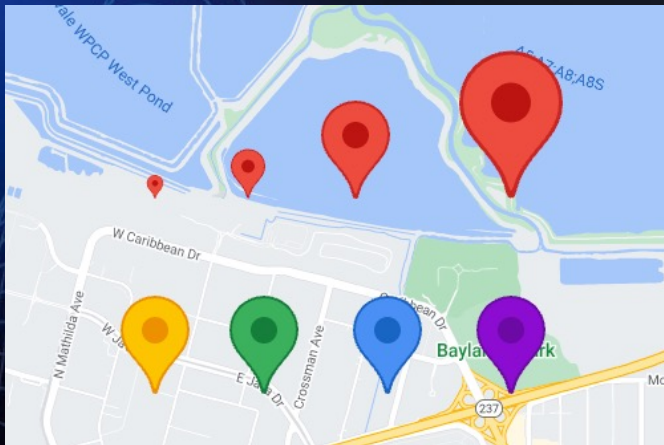
- Custom Applications Development
- Custom Plugins
- Seamless integration
- On Premise to Cloud (Lift and Shift)
- Legacy Apps Modernisation



Our Application list

- HR Management System
- Leave Management System
- Background Scheduler Management
- Tracker/BLE integration (Live Tracking)
- E-Commerce Application
- ETL Bulk Data processing
- Claim Management
- Insurance Management System
- Health Management system





AI with APEX

Enhances **low-code development**

Built-in AI capabilities via the **APEX_AI**

Automate processes

APEX chatbots for customer support

AI-powered **search and recommendations**



Demo

General AI
integration
app

Diet
suggestion
application

Story writing
and
suggestion
for content
creation

Knowledge
base
Collaboration



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AI Integration with APEX – Setup AI Service

The screenshot displays the Oracle APEX Shared Components interface for Application 157193. The interface is organized into a grid of categories, each with a list of sub-components and a count in a small box. The 'Generative AI' category is highlighted with a dashed orange border and a mouse cursor pointing to the 'AI Services' link.

Category	Sub-components	Count
Application Logic	Application Definition, Application Items, Application Processes, Application Computations, Application Settings, Build Options	1
Security	Security Attributes, Authentication Schemes, Authorization Schemes, Application Access Control, Session State Protection	1
Other Components	Lists of Values, Plug-ins, Component Settings, Shortcuts, Component Groups, Data Load Definitions	
Navigation and Search	Lists, Navigation Menu, Breadcrumbs, Navigation Bar List, Search Configurations	2
User Interface	User Interface Attributes, Progressive Web App, Themes, Templates, Email Templates, Map Backgrounds	1
Files and Reports	Static Application Files, Static Workspace Files, Report Layouts, Report Queries	6
Data Sources	REST Data Sources, JSON Sources	
Workflows and Automations	Task Definitions, Automations, Workflows	
Globalization	Globalization Attributes, Text Messages, Application Translations	
Generative AI	AI Attributes, AI Configurations, AI Services	2

The 'AI Services' link is highlighted with a dashed orange border and a mouse cursor pointing to it.



AI Integration with APEX – Setup AI Service

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APEX App Builder SQL Workshop Team Development Gallery

Workspace Utilities Generative AI Services

Generative AI Services Utilization History

Q Go Actions

Name	Static ID	Provider Type	Base URL	Used
Cohere-old	COHERE_OLD	Cohere	https://api.cohere.ai/v1	No
<u>AI SERVICE</u>	ai_service	Cohere	https://api.cohere.ai/v1	Yes



AI Integration with APEX – Setup AI Service

Workspace Utilities \ Generative AI Services \ Create/Edit

Generative AI Service AI_SERVICE

Cancel Delete Apply Changes

Show All Identification Settings Advanced

Identification

* AI Provider ?

* Name ?

Static ID ?

Settings

Used by App Builder ☒ ?

* Base URL ?

Credentials

* Credential ?

Test Connection

Advanced

Additional Attributes

AI Model ?

HTTP Headers ?

Comments ?



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APEX + AI

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⚙️ AI prompt

🔍 AI Search

📖 AI Book Search

🎬 AI Movie Search

 APEX + AI

Release 1.0

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[157193:8] Movie Catalog

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AI Movie Search

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Books Catalog

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Movie Catalog

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APEX + AI

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🏠 Home

🧠 AI prompt

⌘ AI Search

📖 AI Book Search

🎬 AI Movie Search

📖 Books Catalog

🎬 Movie Catalog

Books Catalog

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Go

Actions ⌵

Title	Author	Publisher	Publication Year	Isbn	Genre	Language	Page Count	Format	Description	Added Date	Last Updated
The White Tiger	Aravind Adiga	HarperCollins	2008	978-0-06-153016-15	Fiction	English	320	Hardcover	A dark satire on India's class struggle.	3/13/2025	3/13/2025
Malgudi Days	R.K. Narayan	Indian Thought Publications	1943	978-0-14-303965-11	Short Stories	English	264	Paperback	A collection of short stories set in Malgudi town.	3/13/2025	3/13/2025
The God of Small Things	Arundhati Roy	IndiaInk	1997	978-0-06-097749-14	Fiction	English	340	Paperback	A novel exploring caste, love, and tragedy in Kerala.	3/13/2025	3/13/2025
AI and the Future	John Doe	Tech Publishers	2023	978-1-234567-01-1	Technology	English	320	Hardcover	A deep dive into the future of AI.	3/13/2025	3/13/2025
Machine Learning Basics	Jane Smith	ML Press	2022	978-1-234567-02-2	Education	English	250	Paperback	An introduction to machine learning concepts.	3/13/2025	3/13/2025
Deep Learning Simplified	Alan Turing	AI Research	2021	978-1-234567-03-3	Technology	English	450	eBook	A simple guide to deep learning.	3/13/2025	3/13/2025
Neural Networks Explained	Geoffrey Hinton	Data Science Press	2020	978-1-234567-04-4	Science	English	380	Hardcover	Understanding neural networks in AI.	3/13/2025	3/13/2025
Big Data Analytics	Andrew Ng	Big Data Publications	2024	978-1-234567-05-5	Data Science	English	500	Paperback	A comprehensive guide to big data analytics.	3/13/2025	3/13/2025
AI in Healthcare	Dr. Watson	MedTech	2023	978-1-234567-99-9	Medical	English	350	eBook	Impact of AI in healthcare industry.	3/13/2025	3/13/2025
Midnight's Children	Salman Rushdie	Jonathan Cape	1981	978-0-09-952155-13	Historical Fiction	English	533	Hardcover	A magical realism novel about India's independence.	3/13/2025	3/13/2025
Train to Pakistan	Khushwant Singh	Chatto & Windus	1956	978-0-14-306588-12	Historical Fiction	English	250	Paperback	A gripping tale of partition and human tragedy.	3/13/2025	3/13/2025

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Release 1.0

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Applications - App Builder


AI Health Tracker - Log In

apex.oracle.com/pls/apex/r/ashish/ai-health-tracker/login?session=9414352875764




AI Health Tracker

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Sign In



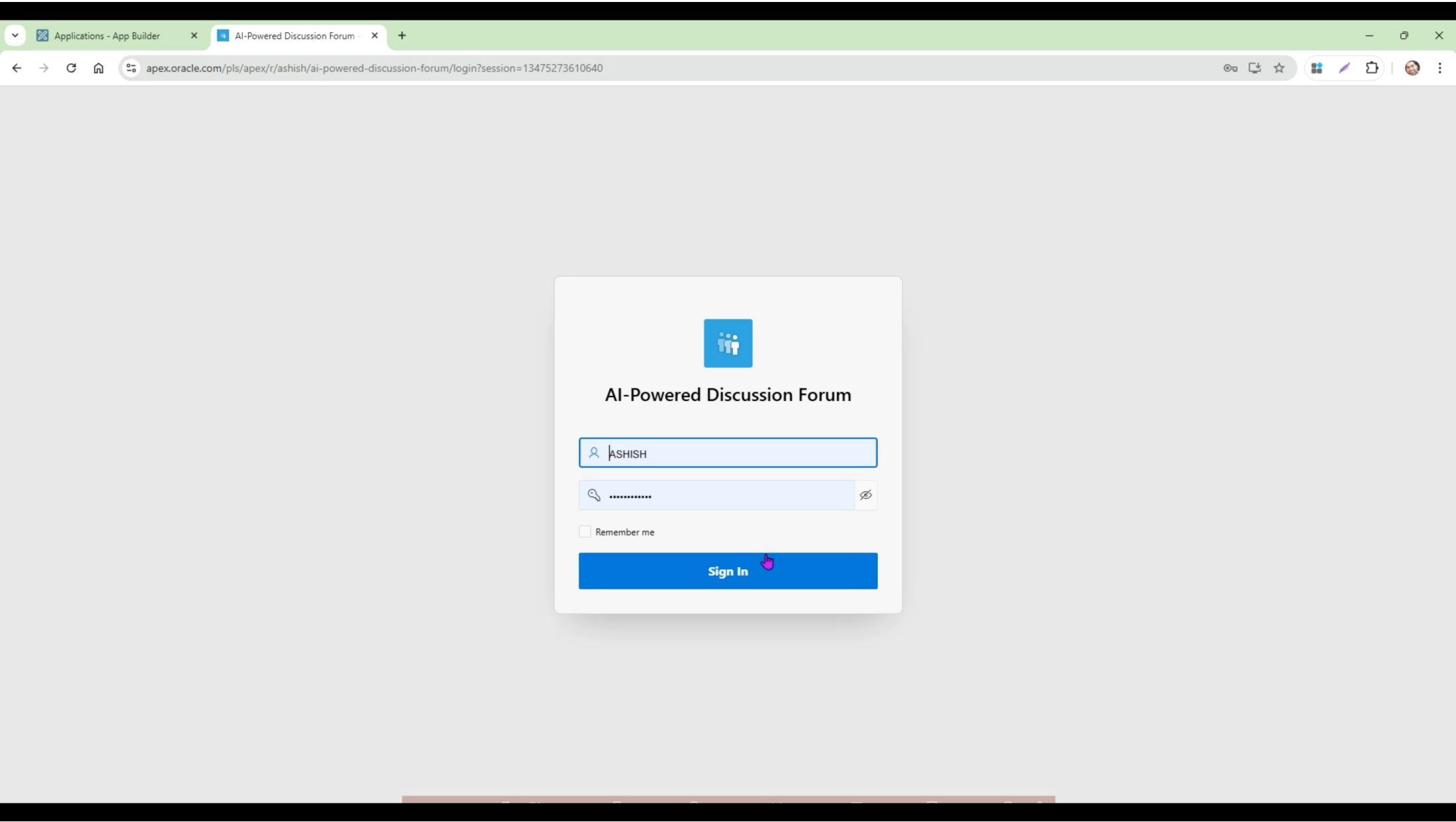
AI Content Hub

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Q & A



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