

ORACLE APEX UTSAV 2025



Building an "Ask My Document" Feature in
Oracle APEX: AI-Powered RAG in Oracle 23ai



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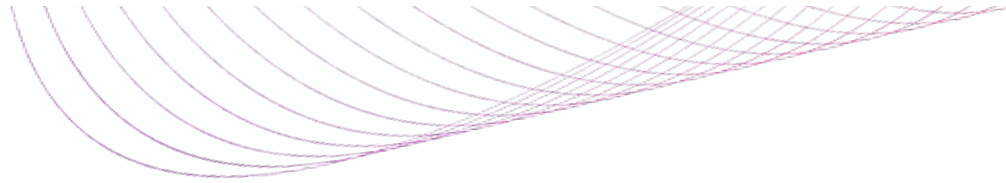
| Speaker Profile

Ashish Sahay

- Founder and CEO **Ontoor Solutions**
- 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



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Transforming Applications with Intelligence

- Introduction to AI in Oracle APEX
- 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

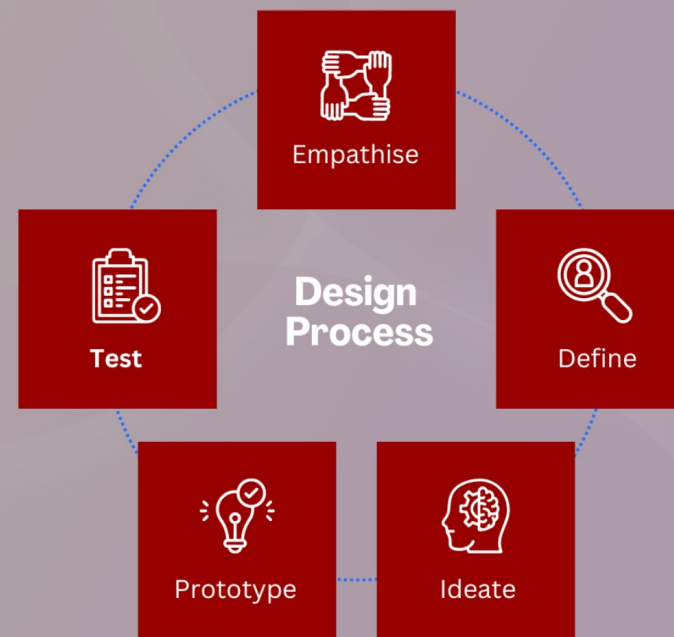


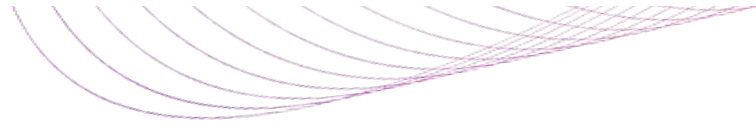
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Transforming Ideas
into Code

EXPLORE





AI with APEX

Enhances **low-code development**

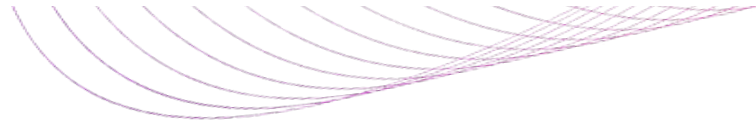
Built-in AI capabilities via the **APEX_AI**

Automate processes

APEX chatbots for customer support

AI-powered **search and recommendations**

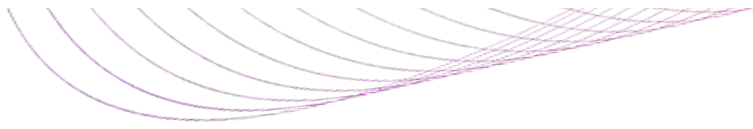




Why Use AI in APEX Applications?

- **Automation** – Reduces manual work with AI-driven workflows.
- **Personalization** – Provides tailored recommendations for users.
- **Data Insights** – Enhances analytics and reporting.
- **Efficiency** – Improves response time and accuracy in applications.

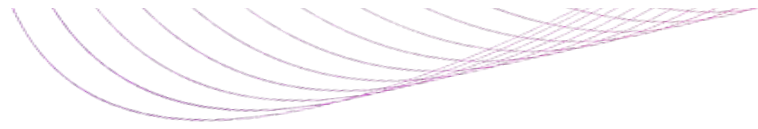




Key AI Features in APEX

- 1**
APEX_AI Package – Integrates AI services.
- 2**
Intelligent Forms – Auto-filling and predictive inputs based on AI.
- 3**
Smart Reporting – AI-powered insights in APEX dashboards.
- 4**
Chatbots & Virtual Assistants – Enhancing user interaction.
- 5**
Automated Anomaly Detection – Identifying fraud, errors, or unusual trends.





Demo

General AI
integration app

Diet suggestion
application

Story writing and
suggestion for
content creation

Knowledge base
Collaboration



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Browser tabs: [157193:3] AI SEARCH, APEX + AI

Address bar: apex.oracle.com/pls/apex/r/ashish/apex-ai/home?session=109015665330141

Page Header: APEX + AI | ashish

Navigation Menu:

- Home
- AI prompt
- AI Search
- AI Book Search
- AI Movie Search

Main Content Area: APEX + AI

Page Footer: Release 1.0

Books Catalog

Search: 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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AI Health Tracker

Remember me

Sign In



AI Content Hub

Remember me

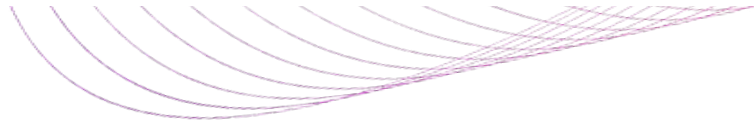
Sign In



AI-Powered Discussion Forum

Remember me

Sign In



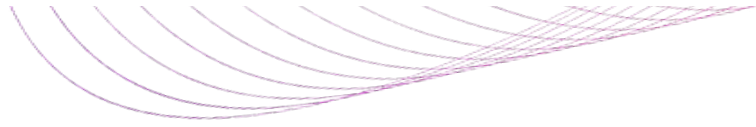
Ontoor's APEX reporting Plugin

- A powerful **reporting plugin** for Oracle APEX.
- Supports **PDF, Word, PPT, and image file generation**.
- Designed for **flexible and dynamic report generation**.



Ontoor's APEX reporting Plugin - Architecture

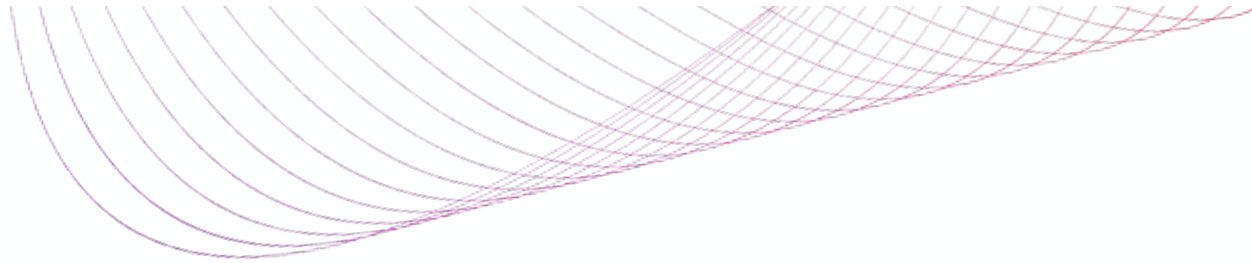




APEX reporting Plugin – Key Features

- **Template-Based Reporting** (Uses Word file templates).
- **Data-Driven Reports** (Fetch data using SQL/PLSQL in JSON format).
- **Multiple Output Formats** – PDF, Word, PPT, and images.
- **User-Friendly Integration** – Works seamlessly within APEX.
- **Utilities:** APEX Plugin, PLSQL API





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Thank You



Q & A

Love to Connect

