

# AI Capabilities

Embeddings, vector search, and RAG on AWS with Amazon Bedrock — the bridge to the GenAI Developer path.

**This is where FieldNote becomes AI-native.** Select Bedrock models, generate embeddings, implement vector search with pgvector and OpenSearch k-NN, and build RAG flows with responsible-AI practices.

## WHAT YOU'LL BE ABLE TO DO

- **Choose Bedrock models.** Navigate the catalog and select for the task.
- **Generate embeddings.** Titan and Cohere, with chunking strategy.
- **Implement vector search.** pgvector in Aurora, k-NN in OpenSearch, hybrid.
- **Build RAG flows.** Knowledge Bases vs custom retrieval.
- **Go agentic, responsibly.** Bedrock Agents; Guardrails, evaluation, mitigation.

## PREREQUISITES

AIDD-AWS-1 and AWS-2 or entry-diagnostic pass  
· the hardened FieldNote project  
· comfort with the AWS-2 services.

## CREDENTIAL MAPPING

A bridge to the AWS Certified GenAI Developer – Professional (AIP-C01) path rather than a primary DEA-C01 driver.

## AI-ENABLE — FIELDNOTE V3

Makes FieldNote AI-native — vector search and a working RAG interface on Amazon Bedrock, setting up the GenAI work in AWS-5.

LESSONS <b>~22</b>	TIME <b>~18–22h</b>	FORMAT <b>Hybrid</b>	PATH <b>GenAI</b>
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## Ready to put AI into your data system?

Cohort dates and enrollment at [doctaco.academy/aidd-aws](https://doctaco.academy/aidd-aws)

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