

Time

INTRODUCTION AND PROJECT OVERVIEW

Project Athena (Transition Path):

- Main Goal: Codify BroadScope meetings and other team interactions (specifically, Data Mine team meetings on Teams).
- **Purpose:**
- Develop analytics and summaries of the meetings.
- Extract key knowledge from expert testimonies within those meetings.
- Facilitate effective knowledge transfer to successor teams/individuals .
- Data Source limitation
- Limited to BroadScope's and Teams meetings of the Data Mine Team.
- Data security was ensured by utilizing a local LLM and ensured OpenAI and Gemini API doesn't use data for training.



RESEARCH METHODOLOGY

Dashboard Research

- Frontend (Node.js & React.js):
- Evaluated frameworks based on familiarity, community support, and suitability for interactive dashboards.
- Selected Node.js and React.js due to team experience, skills, and project requirements.
- User Authentication & Security:
- Researched best practices for user authentication and authorization.
- Planned for basic login/sign-up, including security measures like password hashing and secure storage.

LLM Research

- Evaluated OpenAI, Gemini API, and Ollama for model accuracy, speed, and on-device processing capability.
- Developed a lightweight, local Small Language Model (SLM) for secure internal knowledge retrieval.
- Fine-tuned the model using anonymized meeting data to improve query relevance and summarization quality.
- Designed with scalability and privacy in mind to support future deployment.



Project Athena – Transition Path

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- summarizing BroadScope content.
- User Authentication:
- Login/Sign-up functionality.
- Security measures to protect user data.
- **Structure:**
- Backend:
- Core logic implemented using Llama, OpenAI API, and Gemini.
- Frontend:
- User interface built with Node.js and React.js.
- **Database:**
- Storage for user information (e.g., login credentials, potentially user preferences or saved analyses).
- Database Type: Neon (This clarifies the specific database technology).

	Project Athena	We
<section-header>DEFINING ORGANIZATIONAL KNOWLEDGEAbout Project AthenaYour intelligent assistant for accessing organizational insights and knowledge.</section-header>	 Thinking creatively about "Hello" they demonstrate excellent problem-solving capabilities. Thinking creatively about "Response" they demonstrate excellent problem-solving capabilities. Thinking creatively about "Response" they demonstrate excellent problem-solving capabilities. Thinking creatively about "Response" they demonstrate excellent problem-solving capabilities. Thinking creatively about "Response" they demonstrate excellent problem-solving capabilities. Thinking creatively about "Response" they demonstrate excellent problem-solving capabilities. Thinking creatively about "Response" they demonstrate excellent problem-solving capabilities. Thinking creatively about "Response" they demonstrate excellent problem-solving capabilities. Thinking creatively about "Response" they demonstrate excellent problem-solving capabilities. Thinking creatively about "Response" they demonstrate excellent problem-solving capabilities. Thinking creatively about "Response" they demonstrate excellent problem-solving capabilities. Thinking creatively about "Response" they demonstrate excellent problem-solving capabilities. Thinking creatively about "Response" they demonstrate excellent problem-solving capabilities. Thinking creatively about "Response" they demonstrate excellent problem-solving capabilities. 	 D an So W C an ACI We of their
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The Data Mine Corporate Partners Symposium 2025

- specific queries.

ure Goals:

KNOWLEDGMENTS

extend our sincere gratitude to Brian Monette (CEO) and Vivek Kulkarni (VP) for c unwavering support, valuable insights, and generous time throughout the elopment of this project.







Custom Model Training – Utilized OpenAI and Gemini API, and Ollama to train a Small Language Model (SLM) for company and employee data retrieval.

Transition Path Inc.

DEFINING ORGANIZATIONAL KNOWL

Hybrid Approach – Integrated both OpenAI's powerful API and Ollama's on-device processing for balanced performance and efficiency.

Optimized Data Processing – Designed to efficiently pull and analyze structured and unstructured company records.

Enhanced Query Handling – Fine-tuned to understand and respond accurately to company-

Secure & Scalable – Built with data privacy considerations and scalability for future growth.



CONCLUSION AND FUTURE GOALS

were able to successfully build a working language model that automated some of business methods to make it easier for clients to interact with previous employee rnal knowledge. Taking into consideration their privacy concerns, BroadScope abilities, and other specific needs, our application can be scaled and published to ntele in just a few steps.

Fine-tuned on company-specific knowledge to ensure relevant, context-aware responses sing internal documents and expert interviews.

ntegrated with a vector database for fast, accurate retrieval of legacy knowledge during mployee transitions.

Deployed as a secure, scalable backend using cloud infrastructure with role-based access nd data privacy safeguards.

eamlessly connects to internal tools (e.g., Slack, SharePoint) to embed into daily vorkflows and maximize usability.

Continuous learning from user feedback to improve accuracy, reduce hallucinations, nd evolve with organizational knowledge.