

CUI

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ATTENTION

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CUI

Small Business Innovation Research(SBIR) Program - Proposal Cover Sheet

Disclaimer

Knowingly and willfully making any false, fictitious, or fraudulent statements or representations may be a felony under the Federal Criminal False Statement Act (18 USC Sec 1001), punishable by a fine of up to \$10,000, up to five years in prison, or both.

SBIR Phase I Proposal

| | |
|------------------|---|
| Proposal Number: | F244-0001-0102 |
| Proposal Title: | Phase I Feasibility Study and Prototype for Visualizing Correlated Data from Gen AI Applications in a Knowledge Graph Dashboard |

Agency Information

| | |
|---------------|------------|
| Agency Name: | USAF |
| Command: | AFMC |
| Topic Number: | AF244-0001 |

Firm Information

| | |
|--------------------------------|--|
| Firm Name: | YOUnifiedAI LLC |
| Address: | 1484 Villena Dr, Myrtle Beach, SC 29579-8061 |
| Website: | www.younifiedai.com |
| UEI: | RFKPD8CR2JJ7 |
| CAGE: | 9ZNP7 |
| SBA SBC Identification Number: | 002659676 |

Firm Certificate

OFFEROR CERTIFIES THAT:

| | |
|--|---------------|
| 1. It has no more than 500 employees, including the employees of its affiliates. | YES |
| 2. Number of employees including all affiliates (average for preceding 12 months) | 2 |
| 3. The business concern meets the ownership and control requirements set forth in 13 C.F.R. Section 121.702. | YES |
| 4. Verify that your firm has registered in the SBAS Company Registry at www.sbir.gov by providing the SBC Control ID# and uploading the registration confirmation PDF: | SBC_002659676 |

Supporting Documentation:

- [SBC_002659676.pdf](#)

| | |
|---|--------------|
| 5. It has more than 50% owned by a <u>single</u> Venture Capital Owned Company (VCOC), hedge fund, or private equity firm | NO |
| 6. It has more than 50% owned by <u>multiple</u> business concerns that are VOCs, hedge funds, or private equity firms? | NO |
| 7. The birth certificates, naturalization papers, or passports show that any individuals it relies upon to meet the eligibility requirements are U.S. citizens or permanent resident aliens in the United States. | YES |
| 8. Is 50% or more of your firm owned or managed by a corporate entity? | NO |
| 9. Is your firm affiliated as set forth in 13 CFR Section 121.103? | NO |
| 10. It has met the performance benchmarks as listed by the SBA on their website as eligible to participate | N/A |
| 11. Firms PI, CO, or owner, a faculty member or student of an institution of higher education | NO |
| 12. The offeror qualifies as a: <div><input type="checkbox"/> Socially and economically disadvantaged SBC <input checked="" type="checkbox"/> Women-owned SBC <input type="checkbox"/> HUBZone-owned SBC <input type="checkbox"/> Veteran-owned SBC <input type="checkbox"/> Service Disabled Veteran-owned SBC <input type="checkbox"/> None Listed</div> | |
| 13. Race of the offeror: <div><input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input checked="" type="checkbox"/> Asian <input checked="" type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> Do not wish to Provide</div> | |
| 14. Ethnicity of the offeror: | NON-HISPANIC |
| 15. It is a corporation that has some unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have not been exhausted or have not lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability: | FALSE |
| 16. Firm been convicted of a fraud-related crime involving SBIR and/or STTR funds or found civilly liable for a fraud-related violation involving federal funds: | NO |
| 17. Firms Principal Investigator (PI) or Corporate Official (CO), or owner been convicted of a fraud-related crime involving SBIR and/or STTR funds or found civilly liable for a fraud-related violation involving federal funds: | NO |

Signature:

| Printed Name | Signature | Title | Business Name | Date |
|---------------|-----------------|--------------------|------------------|------------|
| EUGINA JORDAN | /Eugina Jordan/ | Co-founder and CEO | YOUunifiedAI LLC | 09/09/2024 |
| | | | | |

Audit Information

Summary:

Has your Firm ever had a DCAA review?**NO**

VOL I - Proposal Summary

Summary:

Proposed Base Duration (in months):

6

Technical Abstract:

This Phase I project aims to deliver a **feasibility study and prototype** focused on the development of an **interactive knowledge graph dashboard** to support **situational awareness, decision-making, and operational readiness**. Current Gen AI applications, such as those used in HR and Finance, often operate in **siloed environments**, limiting the ability to **synthesize data efficiently** across domains. These silos hinder **timely decision-making**, resulting in operational delays that can impact resource allocation & mission outcomes.

The proposed solution integrates **two Gen AI applications—HR and Finance—via lightweight API connections** to demonstrate the **real-time visualization of correlated data** within the dashboard. The knowledge graph (dashboard) will allow users to explore **relationships between staffing updates and financial impacts**. For example, when HR tracks new hires, the dashboard will reflect corresponding **budget adjustments** in real-time, supporting faster decision-making. This interactive interface will provide **critical insights into patterns and anomalies**, ensuring the Army can respond to operational challenges effectively.

Key data correlations will be visualized in real-time, ensuring that users can respond to operational changes swiftly and accurately.

The feasibility study will **validate the technical and operational viability** of integrating HR and Finance Gen AI applications using **lightweight APIs** to support **real-time data correlation and visualization**. The study will identify **potential risks**, such as **API limitations, data flow inconsistencies, or integration challenges**, and propose **mitigation strategies** to ensure seamless performance. Through this process, we will confirm that **data relationships can be accurately represented** in the knowledge graph dashboard to enhance **situational awareness** and decision-making.

By the end of **Phase I**, the feasibility study will demonstrate a **functional prototype** capable of delivering **real-time insights** from HR and Finance systems, confirming that the approach is **scalable for future phases**. This foundation will pave the way for **Phase II development**, enabling the solution to support **additional operational modules and more complex data correlations**, contributing to **faster decision-making** and **improved resource management** in **time-sensitive**

environments.

The project scope avoids the complexity of full API gateways or advanced correlation layers, focusing instead on **lightweight data exchange and visualization** to remain feasible within the constraints of Phase I. The success of this prototype will be measured through **quantifiable metrics**, including dashboard responsiveness, data accuracy, and user satisfaction, ensuring alignment with the Army’s operational goals.

Anticipated Benefits/Potential Commercial Applications of the Research or Development:

This Phase I project lays the foundation for a **scalable Gen AI integration solution**, starting with the development of a **knowledge graph dashboard** to demonstrate **real-time data correlation** between HR and Finance applications through **lightweight API integration**. Future phases will incorporate **modules** that abstract and process data from multiple Gen AI applications and an **advanced correlation layer** to facilitate **bi-directional data flow**, enhancing operational readiness.

Anticipated Benefits for the Army

The proposed solution addresses **data fragmentation and operational silos** by focusing on **lightweight, real-time data integration** through APIs. During **Phase I**, the solution will demonstrate **feasibility** by **visualizing correlations between staffing updates and budget impacts** through the dashboard. This will provide **commanders with real-time insights** to support faster decision-making, improve resource management, and ensure **situational awareness** in time-sensitive environments.

Although **modules** and the **advanced correlation layer** are not part of the Phase I scope, the dashboard prototype will validate the potential for these future components. **Phase II** will incorporate these elements to **synthesize data across multiple applications** (e.g., HR, Finance, logistics) and **enable bi-directional data flow**, generating actionable insights for mission-critical areas. This phased approach ensures the solution remains **feasible within Phase I constraints** while laying the groundwork for **more complex integrations** in the future.

Potential Commercial Applications

This solution will provide significant value to **small and medium-sized enterprises (SMEs)**, which often face challenges related to **data silos, disconnected systems, and costly integrations**. By enabling **lightweight API integration** through a **centralized dashboard**, the solution will allow SMEs to **avoid data silos** and gain **real-time visibility** into critical metrics such as staffing levels and budget performance.

In **future phases**, the introduction of **modular components and a correlation layer** will provide businesses with even deeper insights by integrating data from multiple Gen AI applications and generating **actionable intelligence across departments**. The **Generative AI Application Store** will allow businesses to **access pre-vetted AI tools**, ensuring cost-effective adoption and reducing operational overhead. This solution offers a **scalable, flexible platform** that can grow with business needs, supporting decision-making and **improving resource management** without the need for expensive custom integrations.

This architecture is especially valuable in industries such as **healthcare, manufacturing, and finance**, where **real-time data insights and efficient resource management** are essential. As the platform evolves, it will enable organizations to **scale operations, manage complex data flows**, and remain agile in dynamic environments.

Attention:

Disclaimer: For any purpose other than to evaluate the proposal, this data except proposal cover sheets shall not be disclosed outside the Government and shall not be duplicated, used or disclosed in whole or in part, provided that if a contract is awarded to this proposer as a result of or in connection with the submission of this data, the Government shall have the right to duplicate, use or disclose the data to the extent provided in the funding agreement. This restriction does not limit the Government's right to use information contained in the data if it is obtained from another source without restriction. This restriction does not apply to routine handling of proposals for administrative purposes by Government support contractors. The data subject to this restriction is contained on the pages of the proposal listed on the line below.

Addition:

Enter the page numbers separated by a space of the pages in the proposal that are considered proprietary:
List a maximum of 8 Key Words or phrases, separated by commas, that describe the Project:
**Knowledge Graph Dashboard Real-Time Data Visualization Generative AI Integration Operational Readiness
Lightweight API Connections Data Correlation Layer Situational Awareness Eliminating Data Silos**

VOL I - Proposal Certification

Summary:

| | |
|---|-------------|
| 1. At a minimum, two thirds of the work in Phase I will be carried out by your small business as defined by 13 C.F.R Section 701-705 . The numbers for this certification are derived from the budget template. To update these numbers, review and revise your budget data. If the minimum percentage of work numbers are not met, then a letter of explanation or written approval from the funding officer is required. Please note that some components will not accept any deviation from the Percentage of Work (POW) minimum requirements. Please check your component instructions regarding the POW requirements. | YES |
| Firm POW | 100% |
| Subcontractor POW | 0% |
| 2. Is primary employment of the principal investigator with your firm as defined by 13 C.F.R Section 701-705 ? | YES |
| 3. During the performance of the contract, the research/research and development will be performed in the United States. | YES |
| 4. During the performance of the contract, the research/research and development will be performed at the offerors facilities by the offerors employees except as otherwise indicated in the technical proposal. | YES |

| | |
|---|------------|
| 5. Do you plan to use Federal facilities, laboratories, or equipment? | NO |
| 6. The offeror understands and shall comply with export control regulations . | YES |
| 7. There will be ITAR/EAR data in this work and/or deliverables. | NO |
| 8. Has a proposal for essentially equivalent work been submitted to other US government agencies or DoD components? | NO |
| 9. Has a contract been awarded for any of the proposals listed above? | NO |
| 10. Firm will notify the Federal agency immediately if all or a portion of the work authorized and funded under this proposal is subsequently funded by another Federal agency. | YES |
| 11. Are you submitting assertions in accordance with DFARS 252.227-7017 Identification and assertions use, release, or disclosure restriction? | YES |
| 12. Are you proposing research that utilizes human/animal subjects or a recombinant DNA as described in DoDI 3216.01 , 32 C.F.R. Section 219 , and National Institutes of Health Guidelines for Research Involving Recombinant DNA of the solicitation: | NO |
| 13. In accordance with Federal Acquisition Regulation 4.2105 , at the time of proposal submission, the required certification template, "Contractor Certification Regarding Provision of Prohibited Video Surveillance and Telecommunications Services and Equipment" will be completed, signed by an authorized company official, and included in Volume V: Supporting Documents of this proposal. | YES |
| NOTE: Failure to complete and submit the required certifications as a part of the proposal submission process may be cause for rejection of the proposal submission without evaluation. | |
| 14. Are teaming partners or subcontractors proposed? | NO |
| 15. Are you proposing to use foreign nationals as defined in 22 CFR 120.16 for work under the proposed effort? | NO |
| 16. What percentage of the principal investigators total time will be on the project? | 60% |
| 17. Is the principal investigator socially/economically disadvantaged? | NO |
| 18. Does your firm allow for the release of its contact information to Economic Development Organizations? | YES |

VOL I - Contact Information

Principal Investigator

Name: **Mrs. EUGINA JORDAN**

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Corporate Official

Name: **Ms. Revathi Pillai**

Phone: **(617) 470-0740**

Email: **revathiapillai@gmail.com**

Address: 1484 Villena Dr, Myrtle Beach, SC 29579 - 8061

Authorized Contract Negotiator

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Phone: (978) 660-8659

Email: younifiedai@gmail.com

Address: 1484 Villena Dr, Myrtle Beach, SC 29579 - 8061

Volume 2 - Technical Volume

Phase I Feasibility Study and Prototype for Visualizing Correlated Data from Gen AI Applications in a Knowledge Graph Dashboard

Part 1: Technical Approach

*To efficiently integrate Generative AI applications into military operations, this feasibility study and small prototype development propose **developing a dynamic knowledge graph dashboard to demonstrate correlations between siloed Gen AI applications—HR and Finance**. This interactive dashboard will **visualize key insights** and allow real-time user interaction, supporting situational awareness and rapid decision-making. Given the **constraints of the grant size**, the focus will be on **lightweight API integration and simple correlation**, delivering core functionality without the complexity of advanced gateways or correlation layers.*

Introduction

Effective decision-making in military operations relies on seamless access to accurate and timely data. However, current systems often operate in siloed environments, where Gen AI applications for HR, Finance, and other functions are disconnected, leading to delayed insights and fragmented information. These data silos impede situational awareness, reduce operational readiness, and hinder the ability to make informed decisions quickly, which is essential in time-constrained environments.

The proposed solution addresses these challenges by developing an interactive knowledge graph dashboard that integrates and visualizes correlated data from two Gen AI applications—HR and Finance. Through lightweight API integration, the dashboard will eliminate data silos, providing a unified view of key relationships in real time. This streamlined approach will enable faster, more effective decision-making, supporting the Army's mission to enhance operational awareness and readiness.

Technical Approach for Phase I

In this Phase I feasibility study and prototype development, we will focus on creating a dynamic, interactive knowledge graph dashboard that visualizes correlated data from two Gen AI applications—HR and Finance—integrated via lightweight API connections. The goal is to eliminate data silos and present meaningful relationships through real-time visualization, even if the data is not directly entered by the user, to enhance situational awareness and decision-making.

NOTE: This streamlined approach **focuses on simple data correlation and visualization**, delivering core functionality without requiring an **API Gateway** or advanced correlation layer, ensuring feasibility within the scope of the grant.

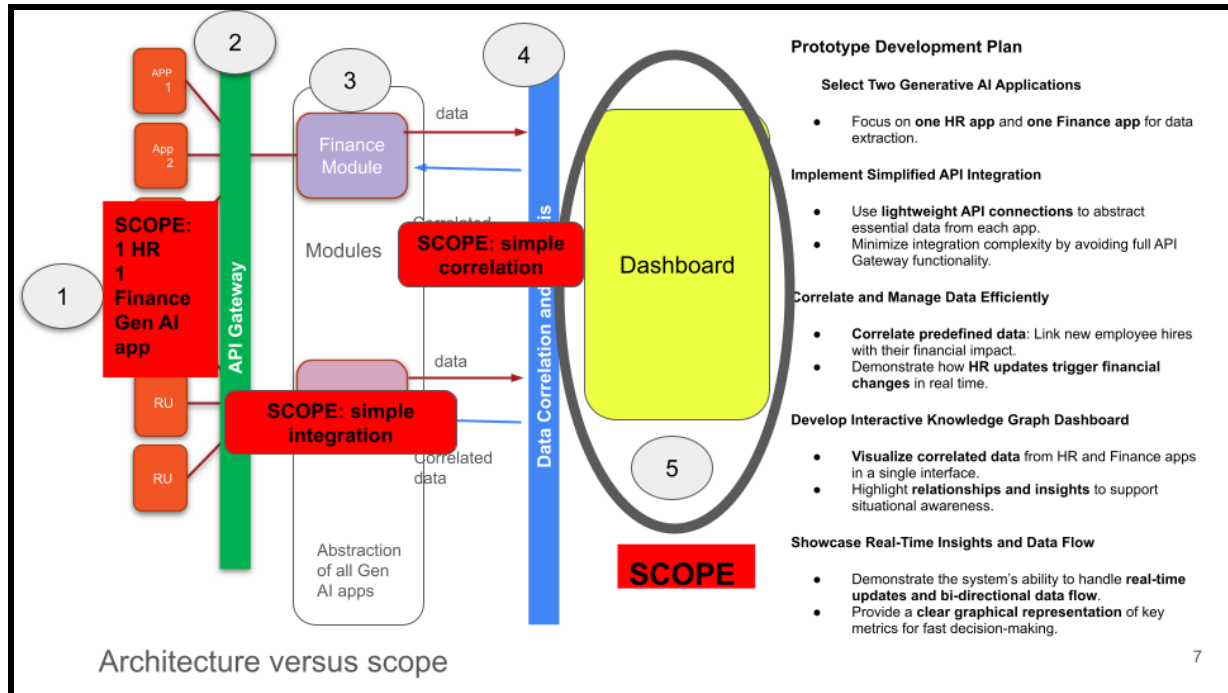


Fig. 1. Prototype to demonstrate knowledge graph/dashboard.

In the Phase I feasibility study and de-risking with prototype development, we will:

1. **Integrate two Gen AI applications**—one for HR and one for Finance—using **lightweight API connections** without a complex API Gateway. This approach abstracts only the necessary data, ensuring seamless interaction.
2. **Correlate data** between HR and Finance to reflect key relationships. For example, the HR dashboard will capture staffing needs, and when positions are filled, the financial data will automatically update to show the impact.
3. **Develop the interactive knowledge graph/dashboard** as the main focus of the project. The dashboard will visualize correlated data from HR and Finance, providing real-time insights into staffing decisions and their financial impacts. This will enhance situational awareness, supporting fast and effective decision-making.

The feasibility study will assess the technical and operational viability of integrating HR and Finance Gen AI applications using lightweight APIs, with a focus on data correlation and visualization in the knowledge graph dashboard. Potential risks include **API limitations**, such as restricted access or limited functionality, which will be mitigated through early API evaluation and provider collaboration. **Data inconsistencies or mismatches** will be addressed with pre-processing routines and validation checks to ensure alignment. To prevent **real-time data flow issues**, asynchronous data handling will optimize updates. **Security concerns** will be mitigated with encryption and role-based access controls, ensuring data privacy. Finally, **user adoption risks** will be managed through early user testing and feedback to guarantee an intuitive dashboard interface that meets operational needs.

Statement of Work (SoW)

| Milestone | Objective | Tasks | Timeline | Desired Outcome |
|--|---|--|------------|--|
| Milestone 1: Feasibility Study | Assess the feasibility of integrating two Gen AI applications (HR and Finance) using lightweight APIs to correlate and visualize data in a dynamic knowledge graph dashboard. | <ol style="list-style-type: none"> 1. Evaluate API calls to extract relevant data fields and assess compatibility for integration. 2. Develop initial data patterns (e.g., HR staffing updates triggering financial adjustments). 3. Identify technical and operational challenges in maintaining seamless data flow and propose mitigation strategies. 4. Document a simplified architecture to support lightweight API integration and real-time correlation. 5. Establish baseline performance metrics for correlation and visualization to inform Phase II. | Month 1 | <ol style="list-style-type: none"> 1. Feasibility report detailing API integration challenges, mitigation strategies, and data correlation feasibility. 2. Preliminary architecture for lightweight API connections and dashboard integration. 3. Baseline performance metrics for correlation accuracy and dashboard responsiveness. |
| Milestone 2: Prototype Development | Develop the interactive knowledge graph dashboard to visualize correlated HR and Finance data, supporting real-time interaction and situational awareness. | <ol style="list-style-type: none"> 1. Design and implement the dashboard interface to display data relationships between HR and Finance visually. 2. Integrate data feeds using lightweight APIs, ensuring seamless data extraction from both Gen AI applications. 3. Implement interactive features to allow users to explore insights in real time and understand the financial impact of staffing decisions. 4. Ensure real-time updates to reflect any staffing or financial changes within the dashboard. | Months 2-4 | <ol style="list-style-type: none"> 1. A functional prototype of the interactive knowledge graph dashboard. 2. Real-time visualization of HR and Finance data correlations. 3. A usable interface supporting operational decision-making. |
| Milestone 3: Visualization and Testing | Test and optimize the knowledge graph dashboard to ensure reliable visualization of correlated data | <ol style="list-style-type: none"> 1. Create graphical visualizations highlighting relationships, patterns, and gaps in HR and Finance data. 2. Conduct scenario-based testing to validate data correlation and dashboard performance. 3. Optimize the dashboard based on test results, ensuring responsiveness | Months 5-6 | <ol style="list-style-type: none"> 1. Graphical representation of key insights within the dashboard. 2. A tested and optimized dashboard ready for Phase II development. |

| | | | | |
|--|---|--|--|---|
| | and operational effectiveness in time-constrained environments. | and data accuracy. 4. Develop a risk management plan to address potential challenges and ensure smooth operation. | | 3. Risk management strategy for scaling and operational deployment. |
|--|---|--|--|---|

Final Deliverables

Prototype: A **small-scale prototype** demonstrating the integration of two Gen AI applications (HR and Finance) using **lightweight API connections**. This prototype will **visualize correlated data** in a dynamic knowledge graph dashboard, showcasing **real-time insights** for operational decision-making. It will highlight how **data relationships and patterns are automatically reflected** in the dashboard, supporting situational awareness and reducing data silos.

Reports:

1. **Feasibility Study Report:** Comprehensive analysis of the **technical and operational feasibility** of the lightweight integration and real-time data correlation.
2. **Phase I Summary Report:** Summary of the **outcomes from Phase I**, including lessons learned and key findings.
3. **Phase II Proposal:** Recommendations and a detailed **roadmap for Phase II development**, focusing on expanding the dashboard's capabilities and addressing any out-of-scope items identified in Phase I.

Success Metrics:

1. **Data Correlation Accuracy:** Accurate and reliable correlation of data between **HR and Finance** applications, with **automated updates** reflected in the dashboard (with 1-2 sec delay).
2. **User Feedback:** **Positive feedback** (85% positive) from users regarding the **dashboard's ability to provide actionable insights** and improve decision-making.
3. **Operational Readiness:** Evidence that the prototype **enhances situational awareness** by reducing data silos and enabling **fast, effective decision-making** in time-constrained environments.

Part 2: Team Qualifications

Key Personnel and Roles YOUNifiedAI Team:

Eugina Jordan (Project Manager):

- Oversees **project management** to ensure alignment with SBIR Phase I objectives.
- Manages **communications, schedules, and deliverables** to meet all milestones.

Revathi Pillai (System Architect):

- Leads the **architecture design** for lightweight API integration and **data correlation** strategy.

- Provides technical oversight to maintain **robust, scalable data management** and **real-time responsiveness**.

Senior Developer (YOUnifiedAI):

- Develops **API-based integration** to extract and correlate data from HR and Finance applications.
- Implements **simple data correlation mechanisms** to support the real-time knowledge graph dashboard.
- Collaborates with the System Architect to ensure seamless **data flow and performance optimization**.

UX Designer (YOUnifiedAI):

- Designs the **interactive knowledge graph dashboard** for usability and effective data visualization.
- Ensures the dashboard presents **correlated insights clearly** to support **situational awareness** and **decision-making**.
- Works with the Sr. Developer to align the **user interface with real-time data updates**.

Team Qualifications

- **Eugina Jordan (Project Manager):**
 - Expertise in **coordinating multi-disciplinary teams** and aligning project outcomes with **strategic goals**.
 - Proven leadership in **navigating complex project environments** and delivering results under tight timelines.
- **Revathi Pillai (System Architect):**
 - Expert in **architecting scalable, secure solutions** for data-intensive operations across public safety and enterprise domains.
 - Skilled in **managing complex data flows** and ensuring system performance in operationally demanding environments.
- **Senior Developer (YOUnifiedAI):**
 - Strong expertise in **API development, real-time data flow management**, and AI integration.
 - Experience building **scalable platforms** for high-stakes applications requiring real-time insights.
- **UX Designer (YOUnifiedAI):**
 - Skilled in **data visualization and user-centered design**, focusing on clarity and usability.
 - Proven track record in **developing interactive dashboards** to present actionable insights effectively.
 - Experience in **collaborative design processes** to ensure seamless functionality and alignment with real-time data needs.

Foreign National Personnel: There are no foreign national personnel proposed for this project. All team members are U.S. citizens or permanent residents.



SBIR Phase I Proposal

| | |
|-----------------|---|
| Proposal Number | F244-0001-0102 |
| Topic Number | AF244-0001 |
| Proposal Title | Phase I Feasibility Study and Prototype for Visualizing Correlated Data from Gen AI Applications in a Knowledge Graph Dashboard |
| Date Submitted | 11/03/2024 03:53:59 PM |

Firm Information

| | |
|-----------------|--|
| Firm Name | YOUNIFIEDAI LLC |
| Mail Address | 1484 Villena Dr, Myrtle Beach, South Carolina, 29579 |
| Website Address | www.younifiedai.com |
| UEI | RFKPD8CR2JJ7 |
| Cage | 9ZNP7 |

| | | |
|---------------------------------------|---|--------------|
| Total Dollar Amount for this Proposal | | \$139,619.87 |
| | Base Year | \$139,619.87 |
| | Year 2 | \$0.00 |
| | Technical and Business Assistance(TABA)- Base | \$0.00 |
| | TABA- Year 2 | \$0.00 |

Base Year Summary

| | |
|------------------------------------|--------------|
| Total Direct Labor (TDL) | \$111,566.00 |
| Total Direct Material Costs (TDM) | \$18,919.86 |
| Total Direct Supplies Costs (TDS) | \$0.00 |
| Total Direct Equipment Costs (TDE) | \$0.00 |
| Total Direct Travel Costs (TDT) | \$0.00 |
| Total Other Direct Costs (TODC) | \$0.00 |
| G&A (rate 0%) x Base () | \$0.00 |
| Total Firm Costs | \$130,485.86 |
| Subcontractor Costs | |
| Total Subcontractor Costs (TSC) | \$0.00 |
| Cost Sharing | -\$0.00 |
| Profit Rate (7%) | \$9,134.01 |
| Total Estimated Cost | \$139,619.87 |
| TABA | \$0.00 |

Year 2 Summary

| | |
|-----------------------------------|--------|
| Total Direct Labor (TDL) | \$0.00 |
| Total Direct Material Costs (TDM) | \$0.00 |
| Total Direct Supplies Costs (TDS) | \$0.00 |

| | |
|------------------------------------|---------|
| Total Direct Equipment Costs (TDE) | \$0.00 |
| Total Direct Travel Costs (TDT) | \$0.00 |
| Total Other Direct Costs (TODC) | \$0.00 |
| G&A (rate 0%) x Base () | \$0.00 |
| Total Firm Costs | \$0.00 |
| Subcontractor Costs | |
| Total Subcontractor Costs (TSC) | \$0.00 |
| Cost Sharing | -\$0.00 |
| Profit Rate (0%) | \$0.00 |
| Total Estimated Cost | \$0.00 |
| TABA | \$0.00 |

Base Year

| Direct Labor Costs | | | | | | |
|----------------------------|---|-----------|-----------------|-----------------|-------------|--------------|
| | Category / Individual-TR | Rate/Hour | Estimated Hours | Fringe Rate (%) | Fringe Cost | Cost |
| | Chief Executive/ Principal Investigator (EUGINA JORDAN) | \$44.00 | 598 | | | \$26,312.00 |
| | Computer Occupations, All Other/ Solutions Architect (Revathi Pillai) | \$77.00 | 338 | | | \$26,026.00 |
| | Software Developer/ Software developer: API and correlation of data | \$49.00 | 572 | | | \$28,028.00 |
| | Computer Occupations, All Other/ UX designer to create the dashboard (knowledge graph) based on correlated data from Gen AI apps | \$48.00 | 650 | | | \$31,200.00 |
| Subtotal Direct Labor (DL) | | | | | | \$111,566.00 |
| Labor Overhead Cost | | | | | | \$0.00 |
| Total Direct Labor (TDL) | | | | | | \$111,566.00 |

Direct Material Costs

| | |
|--|------------|
| Cloud Infrastructure (Microsoft Azure Containers, Compute, and Storage) | \$5,750.46 |
| JetBrains IntelliJ IDEA development tool | \$587.40 |
| API testing and integration from 2 Gen AI Apps | \$588.00 |
| Neo4j will serve as the backbone for our interactive knowledge graph, enabling us to store, manage, and analyze complex relationships between entities in real-time. This will allow users to explore connections, detect patterns, and gain insights essential for situational awareness and decision-making in dynamic, time-sensitive environments. | \$8,000.00 |
| Leena AI will serve as a Gen AI HR app to pull employee data, correlate it with financial information, and feed it into the knowledge graph, enabling integrated insights and efficient data management for the SBIR project | \$2,500.00 |

| | |
|---|--------------------|
| We will use Truewind.ai as a Gen AI finance app to automate financial data processing, integrate it with HR data from Leena AI, and feed both into a knowledge graph to enable comprehensive, real-time insights for strategic decision-making. | \$1,494.00 |
| Total Direct Material Costs (TDM) | \$18,919.86 |

| | |
|-------------------------------------|--------------|
| G&A (rate 0%) x Base () | \$0.00 |
| Cost Sharing | -\$0.00 |
| Profit Rate (7%) | \$9,134.01 |
| Total Estimated Cost | \$139,619.87 |
| TABA | \$0.00 |

Year 2

| Direct Labor Costs | | | | | | |
|---------------------------------|--|-----------|-----------------|-----------------|-------------|---------------|
| | Category / Individual-TR | Rate/Hour | Estimated Hours | Fringe Rate (%) | Fringe Cost | Cost |
| | Chief Executive/ Principal Investigator (EUGINA JORDAN) | \$44.00 | 0 | | | \$0.00 |
| Subtotal Direct Labor (DL) | | | | | | \$0.00 |
| Labor Overhead Cost | | | | | | \$0.00 |
| Total Direct Labor (TDL) | | | | | | \$0.00 |

Direct Material Costs

| | |
|--|---------------|
| n/a | \$0.00 |
| Total Direct Material Costs (TDM) | \$0.00 |

| | |
|-------------------------------------|---------|
| G&A (rate 0%) x Base () | \$0.00 |
| Cost Sharing | -\$0.00 |
| Profit Rate (0%) | \$0.00 |
| Total Estimated Cost | \$0.00 |
| TABA | \$0.00 |

Explanatory Material Relating to the Cost Volume
The Official From the Firm that is responsible for the cost breakdown
 Name: EUGINA JORDAN
 Phone: (978) 660-8659
 Phone: younifiedai@gmail.com
 Title: Proposal Owner

If the Defence Contracting Audit Agency has performed a review of your projects within the past 12 months, please provide: No
Select the Type of Payment Desired: Partial payments

Cost Volume Details

Direct Labor
Base

| Category | Description | Education | Yrs Experience | Hours | Rate | Fringe Rate | Total |
|---------------------------------|---|-------------------|----------------|-------|---------|-------------|-------------|
| Chief Executive | Principal Investigator | Master's Degree | 24 | 598 | \$44.00 | | \$26,312.00 |
| Computer Occupations, All Other | Solutions Architect | Master's Degree | 27 | 338 | \$77.00 | | \$26,026.00 |
| Software Developer | Software developer: API and correlation of data | Bachelor's Degree | 20 | 572 | \$49.00 | | \$28,028.00 |
| Computer Occupations, All Other | UX designer to create the dashboard (knowledge graph) based on correlated data from Gen AI apps | Bachelor's Degree | 12 | 650 | \$48.00 | | \$31,200.00 |

Are the labor rates detailed below fully loaded?

YES

Please explain any costs that apply.
The labor cost is based on the hourly rate in the attached document.

Provide any additional information and cost support data related to the nature of the direct labor detailed above.
Please see the rates in the attached document.

Labor rate Documentation:

- [Labor Rates for All Zip Recruiter.pdf](#)

Direct Labor Cost (\$):

\$111,566.00

Year2

| Category | Description | Education | Yrs Experience | Hours | Rate | Fringe Rate | Total |
|-----------------|------------------------|-----------------|----------------|-------|---------|-------------|--------|
| Chief Executive | Principal Investigator | Master's Degree | 24 | 0 | \$44.00 | | \$0.00 |

Are the labor rates detailed below fully loaded?

YES

Please explain any costs that apply.

The SBIR Is a 5-month project, no year 2.

Provide any additional information and cost support data related to the nature of the direct labor detailed above.

This is a 6-months project, no year 2 unless asked for a Phase II proposal.

| | |
|-------------------------|--------|
| Direct Labor Cost (\$): | \$0.00 |
|-------------------------|--------|

| | |
|---------------------------------------|--------------|
| Sum of all Direct Labor Costs is(\$): | \$111,566.00 |
|---------------------------------------|--------------|

Overhead Base

| | |
|--------------------------|--------|
| Labor Cost Overhead Cost | \$0.00 |
|--------------------------|--------|

| | |
|--|----|
| Apply Overhead to Direct Materials Cost? | NO |
|--|----|

Overhead Comments:

No overhead for Phase I.

| | |
|---------------------|--------|
| Overhead Cost (\$): | \$0.00 |
|---------------------|--------|

Year2

| | |
|--------------------------|--------|
| Labor Cost Overhead Cost | \$0.00 |
|--------------------------|--------|

| | |
|--|----|
| Apply Overhead to Direct Materials Cost? | NO |
|--|----|

Overhead Comments:

It's a 6 months project, no year 2 unless is asked to submit the Phase II proposal.

| | |
|---------------------|--------|
| Overhead Cost (\$): | \$0.00 |
|---------------------|--------|

| | |
|------------------------------------|--------|
| Sum of all Overhead Costs is (\$): | \$0.00 |
|------------------------------------|--------|

General and Administration Cost Base

| | |
|---------------|---|
| G&A Rate (%): | 0 |
|---------------|---|

| | |
|-----------------------------------|----|
| Apply G&A Rate to Overhead Costs? | NO |
|-----------------------------------|----|

| | |
|---------------------------------------|----|
| Apply G&A Rate to Direct Labor Costs? | NO |
|---------------------------------------|----|

| | |
|--|----|
| Apply G&A Rate to Direct Material Costs? | NO |
|--|----|

Please specify the different cost sources below from which your company's General and Administrative costs are calculated.

No G&A costs.

| | |
|----------------|--------|
| G&A Cost (\$): | \$0.00 |
|----------------|--------|

Year2

| | |
|---------------|---|
| G&A Rate (%): | 0 |
|---------------|---|

| | |
|-----------------------------------|----|
| Apply G&A Rate to Overhead Costs? | NO |
|-----------------------------------|----|

| | |
|---------------------------------------|----|
| Apply G&A Rate to Direct Labor Costs? | NO |
|---------------------------------------|----|

| | |
|--|----|
| Apply G&A Rate to Direct Material Costs? | NO |
|--|----|

Please specify the different cost sources below from which your company's General and Administrative costs are calculated.

It's a 6-months project, no year 2.

| | |
|----------------|--------|
| G&A Cost (\$): | \$0.00 |
|----------------|--------|

| | |
|-------------------------------|--------|
| Sum of all G&A Costs is (\$): | \$0.00 |
|-------------------------------|--------|

ODC-Materials

Base

Description: Cloud Infrastructure (Microsoft Azure Containers, Compute, and Storage)

Vendor: Microsoft

Quantity: 1

Total Cost(\$): \$5,750.46

Consumable? no

Competitively Sourced? yes

Exclusive for this Contract? yes

Supporting Comments:

Supporting Documents:

- [Pricing Calculator Microsoft Azure.pdf](#)

Description: JetBrains IntelliJ IDEA development tool

Vendor: JetBrains IntelliJ

Quantity: 6

Total Cost(\$): \$587.40

Consumable? no

Competitively Sourced? yes

Exclusive for this Contract? yes

Supporting Comments:

Supporting Documents:

- [IntelliJ IDEA.pdf](#)
-

Description: API testing and integration from 2 Gen AI Apps

Vendor: Postman

Quantity: 1

Total Cost(\$): \$588.00

Consumable? no

Competitively Sourced? yes

Exclusive for this Contract? yes

Supporting Comments:

Supporting Documents:

Description: Neo4j will serve as the backbone for our interactive knowledge graph, enabling us to store, manage, and analyze complex relationships between entities in real-time. This will allow users to explore connections, detect patterns, and gain insights essential for situational awareness and decision-making in dynamic, time-sensitive environments.

Vendor: Neo4j

Quantity: 1

Total Cost(\$): \$8,000.00

Consumable? no

Competitively Sourced? yes

Exclusive for this Contract? yes

Supporting Comments:

Supporting Documents:

- [Neo4j knowledge graph visualization tool pricing.pdf](#)
-

Description: Leena AI will serve as a Gen AI HR app to pull employee data, correlate it with financial information, and feed it into the knowledge graph, enabling integrated insights and efficient data

Vendor: Leena AI

management for the SBIR project

Quantity: 1

Total Cost(\$): \$2,500.00

Consumable? no

Competitively Sourced? yes

Exclusive for this Contract? yes

Supporting Comments:

Supporting Documents:

- [Leena AI HR App.pdf](#)

Description: We will use Truewind.ai as a Gen AI finance app to automate financial data processing, integrate it with HR data from Leena AI, and feed both into a knowledge graph to enable comprehensive, real-time insights for strategic decision-making.

Vendor: Truewind AI

Quantity: 6

Total Cost(\$): \$1,494.00

Consumable? no

Competitively Sourced? yes

Exclusive for this Contract? yes

Supporting Comments:

Supporting Documents:

- [Truewind AI Gen AI Finance APP.pdf](#)

Year2

Description: n/a

Vendor: n/a

Quantity: 0

Total Cost(\$): \$0.00

Consumable? no

Competitively Sourced? yes

Exclusive for this Contract? yes

Supporting Comments:

n/a

ODC-Summary

Base

Do you have any additional information to provide?

NO

Year2

Do you have any additional information to provide?

NO

Profit Rate/Cost Sharing
Base

| | |
|--------------------|---------|
| Cost Sharing (\$): | -\$0.00 |
|--------------------|---------|

| |
|---|
| Cost Sharing Explanation: No cost sharing. |
|---|

| | |
|------------------|---|
| Profit Rate (%): | 7 |
|------------------|---|

| |
|---------------------------------------|
| Profit Explanation: Standard rate. |
|---------------------------------------|

| | |
|-------------------------|------------|
| Total Profit Cost (\$): | \$9,134.01 |
|-------------------------|------------|

Year2

| | |
|--------------------|---------|
| Cost Sharing (\$): | -\$0.00 |
|--------------------|---------|

| |
|---------------------------|
| Cost Sharing Explanation: |
|---------------------------|

| | |
|------------------|---|
| Profit Rate (%): | 0 |
|------------------|---|

| |
|---------------------|
| Profit Explanation: |
|---------------------|

| | |
|-------------------------|------------|
| Total Profit Cost (\$): | \$9,134.01 |
|-------------------------|------------|

| | |
|-----------------------------|--------------|
| Total Proposed Amount (\$): | \$139,619.87 |
|-----------------------------|--------------|

CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO

EUGINA JORDAN, YOUNifiedAI LLC

FOR SUCCESSFULLY COMPLETING FRAUD, WASTE AND
ABUSE TRAINING AND MEETING ALL REQUIREMENTS SET
FORTH BY THE OFFICE OF SMALL BUSINESS PROGRAMS



Oct 27, 2024

COMPLETION DATE

Oct 27, 2025

EXPIRATION DATE