Senior Design: Milestones, Timeline, and Matrix Effort

1) **Milestones**
   a) **Fintuned pretrained LLM**
   b) **Demo Ghidra plugin**
   c) **Finalized desktop app front-end**
   d) **Integrating fintuned LLM with desktop application**
   e) **Finalize desktop application back-end**
   f) **Demo application**
   g) **Deploy Application**
   h) **Develop a landing webpage for the desktop application**

2) **Timeline**

Task	Start and Completion Dates
Research LLM models that could be utilized as an infrastructure and a starting point of the LLM models to be built.	**10/9/2025 - 29/9/2025**
Develop the application home screen.	**22/10/2025 - 1/11/2025**
Research how to utilize Ghidra as a plug-in.	**1/10/2025 - 15/1/2025**
Preprocess and refine the datasets that will be utilized in	**8/10/2025 - 1/11/2025**

the application to train the LLM models.	
Integrate LLM fintuned model	**19/11/2025 - 21/11/2025**
Train LLM model to analyze executable files and decompile them into C-Code.	**21/10/2025 - 1/12/2025**
Integrate Ghidra as a plug-in to disassemble the executable files into Assembly-code.	**1/11/2025 - 22/1/2025**
Test the models analysis of C code and Assembly code.	**22/11/2025 - 19/12/2025**
Document the analyzation performance of the built models in comparison to other recent models that target the same criteria.	**7/1/2026 - 28/1/2026**

Develop the analyzation page of the application that showcases the analyzation of both C and Assembly codes.	28/1/2026 - 18/2/2026
Build the malware detection back-end part of the application (still in progress in terms of applicable tools) ==(Final backend part of the application)==	28/1/2026 - 25/2/2026
==Develop the malware detection result page of the application (Final front-end page in the application)==	25/2/2026 - 11/3/2026
==Demo Application==	11/3/2026 - 25/3/2026
==Deploy Application (If feasible)==	1/3/2025 - 5/3/2025
==Develop a landing webpage for the application==	25/3/2026 - 30/3/2026

3) Effort Martrix

a)

Task	Start and Completion Dates	Long Nguyen (Percentage of Effort)	Luqman Al Hasni (Percentage of Effort)
Research LLM models that could be utilized as an infrastructure and a starting point of the LLM models to be built.	**10/9/2025 - 29/9/2025**	**Primary 3 Hours**	**Secondary 2 Hours**
Develop the application home screen.	**22/10/2025 - 1/11/2025**	**Primary 4 Hours**	**Secondary 2 Hours**
Research how to utilize Ghidra as a plug-in.	**1/10/2025 - 15/1/2025**	**2 Hours**	**Primary 4 Hours**

Preprocess and refine the datasets that will be utilized in the application to train the LLM models.	**8/10/2025 - 1/11/2025**	**Primary 4 Hours**	**Secondary 2 Hours**
Integrate LLM fintuned model	**19/11/2025 - 21/11/2025**	**Primary 6 Hours**	**Secondary 4 Hours**
Train LLM model to analyze executable files and decompile them into C-Code.	**21/10/2025 - 1/12/2025**	**2 Hours**	**Primary 6 Hours**
Integrate Ghidra as a plug-in to disassemble	**1/11/2025 - 22/1/2025**	**2 Hour**	**Primary Secondary 4 Hours**

the executable files into Assembly-code.			
Test the models analysis of C code and Assembly code.	22/11/2025 - 19/12/2025	Primary 5 Hours	Secondary 2 Hours
Document the analyzation performance of the built models in comparison to other recent models that target the same criteria.	7/1/2026 - 28/1/2026	2 Hour	Primary 5 Hours
Develop the analyzation	28/1/2026 - 18/2/2026	2 Hours	Primary 3 Hours

page of the application that showcases the analyzation of both C and Assembly codes.			
Build the malware detection back-end part of the application (still in progress in terms of applicable tools) (Final backend part of the application)	28/1/2026 - 25/2/2026	Primary 4 Hours	Secondary 2 Hours

Develop the malware detection result page of the application (Final front-end page in the application)	**25/2/2026 - 11/3/2026**	**4 Hours**	**Primary 6 Hours**
Demo Application	**11/3/2026 - 25/3/2026**	**Primary 4 Hours**	**Secondary 3 Hours**
Develop a landing webpage for the application	**25/3/2026 - 30/3/2026**	**Secondary 2 Hours**	**primary 4 Hours**

Current Hours:

- **Luqman: 48 Hours**
- **Long: 46 Hours**