Mini-Project Info

CSCI 5501: Deep Learning Applications

Janarthanan Rajendran (he/him)
Assistant Professor
Faculty of Computer Science

DALHOUSIE UNIVERSITY

Mini-Project

Due: August 6th and 7th, 2025

- Project Presentation
  - Aug 6th and Aug 7th
- Project code
  - Aug 6th - Crowdmark

Team: Individual or a team of two

- Note, the expected project output will be adjusted accordingly
- Credit students – team up with other credit students

Mini Project Topic

Application of Deep Learning to any topic/domain/task of your interest!

Mini-Project Ideas

- Keep it simple! – Scope your problem to a class mini-project
- **Be conscious of the time and resource (compute) constraints**
- Keep aside more time for experiments than you think you need

- The following are completely fine
  - Simple proof of concepts
  - Simple toy environments
  - Negative results
    - What matters is your clear scientific/sound approach to tackling the problem statement
- Not fine
  - Copying a project from online or asking LLMs to do your project for you

Mini-Project Final Presentation

Duration

- Individual: 8 - 10 mins
- Team of two: 14 - 16 mins
- Q&A: 5 mins

Outline

- Introduction (and Motivation)
- Problem of Study
  - What is the specific problem/challenge/questions that you are proposing to study/address? Why?
- Related work
- Methodology
- Experiments and Results
- Discussion/Limitations
- Conclusion/Future Work
- Contribution of each of the team members

- Each of the team members has to speak for ~ half the time

Suggestion

Have a **Project proposal ready** in a week or so: ~ July 14 – July 16

- Introduction and Motivation
- Problem statement
  - What is the specific problem/challenge/questions that you are proposing to study/address?
  - Why?
- Proposed methodology
- Expected results and impact
- Timeline and milestones

Mini-Project Evaluation (15% of overall grade)

- Knowledge gap addressed (5%)
- Evidence supporting the claims/contributions (3%)
- Technical soundness (3%)
- Project Presentation (4%)