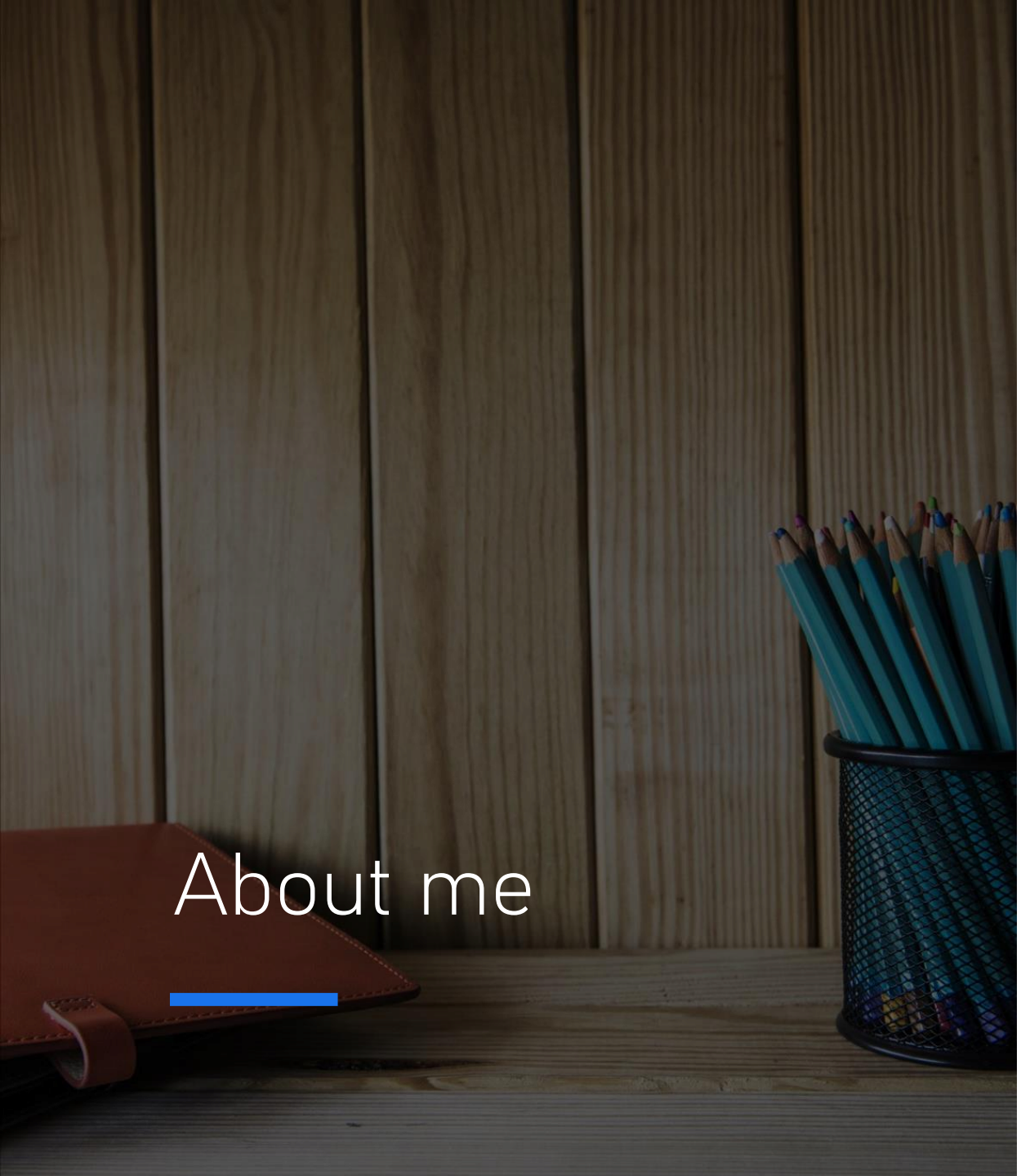
Practical Course: Spoken and Natural Language Understanding

GOKUL SRINIVASAGAN



About me

Gokul Srinivasagan

- Researcher at AIMotion Bavaria
- Masters specializing in text and speech processing from Saarland University
- **Work Experience:** Intel Corporation, German Research Center For Artificial Intelligence (DFKI)
- **Research Interests:** Efficient Text and Speech Processing
- **Email:** Gokul.Srinivasagan@thi.de

Practical course

- Moodle course page: **Practical Course: Spoken and Natural Language Understanding**
- 3 Assignments each for 100 points
- Need to score minimum 260 points to be eligible for exam
- Two groups:
  - **Monday:** 16:35 – 18:05 (G111)
  - **Wednesday:** 08:15 – 09:45 (G308)

Assignments

- Three assignments
  - Assignment 1: Simple n-gram Language Model
  - Assignment 2: Neural Language Model
  - Assignment 3: Large Language Model (Transformer-based)

Grading

- Each assignment: 100 points
- To be eligible for exam: 260 points
- (Optional) Additional 5 points for each assignment
  - If you could do some additional experiments than what is specified in the assignment sheet

Assignment Schedule

- **Assignment 1** - 27 March Deadline: 19 April
- **Assignment 2** - 17 April Deadline: 17 May
- **Assignment 3** - 15 May Deadline: 14 June

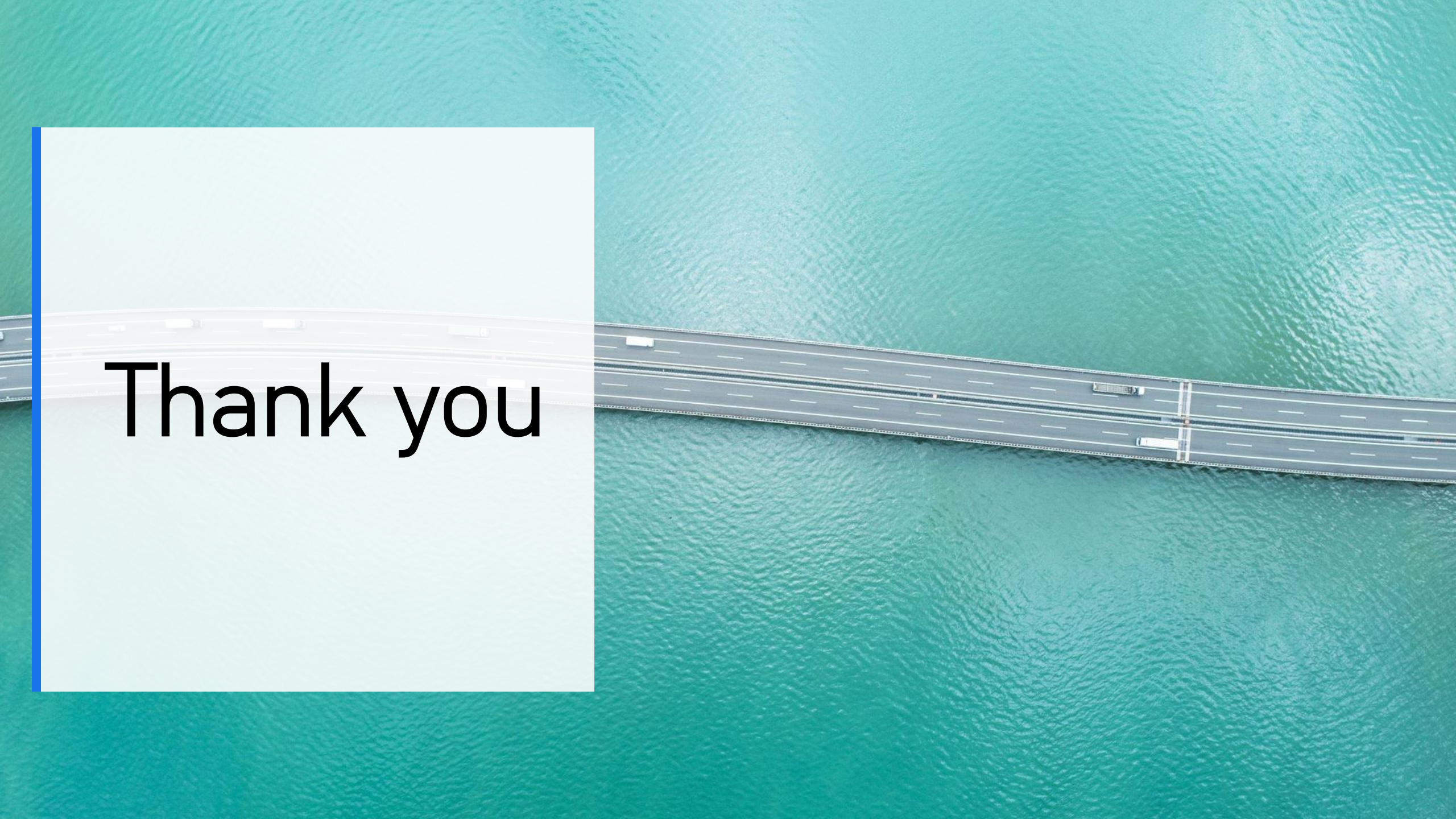
- Grade Notification (Admission to exam): **18 June**

General Guidelines

- Deadlines: Friday at 11:59 pm via Moodle
- No plagiarism and all the reference materials should be cited
- Clear documentation of code and your method – keep it short and precise
- You should submit the assignment as a zip file - Jupyter notebook (preferred) or python files with a separate report (in pdf)
- Use diagrams, charts and table if possible

General Guidelines

- Submission format: .zip file (lastname_firstname.zip)
- Include the datasets (if you are using different corpora than the one specified in the assignment) and output files
- The solutions should be written in python
- (Optional): It would be great if you could include the time taken for completing the assignment



Thank you