

# NLP Projects

## Instructors:

### Sourangshu Pal:

Visual Computing Engineer and instructor at iNeuron.ai having 3 years of diverse experience in the discipline of visual computing with specialization in Deep Learning and Computer Graphics. Loves to analyze, process, and model visual data then interpret the insights to create actionable plans for solving challenging business problems.

## Curriculum:

### Introduction to course

- Introduction to the course Preview
- Course curriculum
- Installing software and applications
- Working with Anaconda environments
- Pycharm introduction
- Pycharm with conda
- Pycharm with venv
- Pycharm with pipenv

### Covering Python basics

- Building a calculator Preview
- Working with command-line arguments
- Building the Flask application

- Testing our app in Postman
- Learn to debug with Pycharm
- Adding a UI to our web app

### **Text-to-speech**

- Introduction
- Project setup text-to-speech
- Project demo
- Code explanation
- Project workflow
- Prediction with Postman
- Debugging application

### **Speech-to-text**

- Introduction
- Project setup speech-to-text
- Project demo
- Code explanation
- Project workflow
- Prediction with Postman
- Debugging application

### **Spell Corrector**

- Introduction
- Project Setup Spell Corrector

- Project demo
- Code explanation
- Project workflow
- Prediction with Postman
- Debugging application

### **Named Entity Recognition**

- NER using BERT

### **Machine Translation & Keyword Spotting**

- Machine translation
- Keyword spotting

### **Keyword Extracter & Summarization**

- Keyword extraction
- Extractive text summarization

### **Brand Measures**

- Brand measures project

### **Paraphrasing**

- Rephrase project