Computational Intelligence Notebook

Neural Networks, Fuzzy Logic, Evolutionary Computation

Compiled in the course of the **Computational Intelligence**
at **Zand Institute of Higher Education**,
instructed by **Dr. Betsabeh Tanoori**.

Mehdi Karami

Spring, 2025

Contents

1 Neural Networks

1.1 Introduction

Neural networks are a type of machine learning algorithm inspired by the structure and function of the human brain that ...
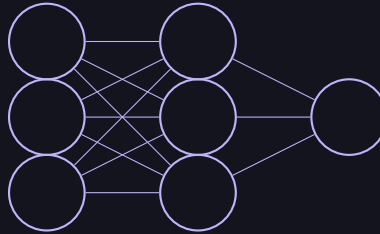
1.2 Basic Neural Network Diagram

Figure 1: A simple neural network