

AI & DATASCIENCE

AI IN 60 HOURS



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- **Day 1-5: Introduction to Python**

Days 1-2: Python Basics (variables, data types, control structures)

Days 3-4: Functions, Modules, and Libraries

Day 5: Working with NumPy and Pandas for Data Manipulation

- **Day 6-10: Advanced Python**

Days 6-7: Object-Oriented Programming (OOP) in Python

Days 8-9: File Handling and Exception Handling

Day 10: Python Decorators and Generators

- **Day 11-20: Statistics and Machine Learning Basics**

Days 11-12: Descriptive Statistics and Data Preprocessing

Days 13-14: Introduction to Machine Learning, Scikit-Learn

Day 15-16: Supervised Learning (Regression, Classification)

Day 17-18: Unsupervised Learning (Clustering, Dimensionality Reduction)

Day 19-20: Model Evaluation and Cross-Validation

- **Day 21-30: SQL, NLP, and Deep Learning**

Days 21-22: SQL Basics and Database Manipulation

Days 23-24: Natural Language Processing (NLP) Fundamentals

Day 25-26: Deep Learning Introduction and Neural Networks

Day 27-28: CNN for image analysis

Day 29-30: Final Projects and Recap