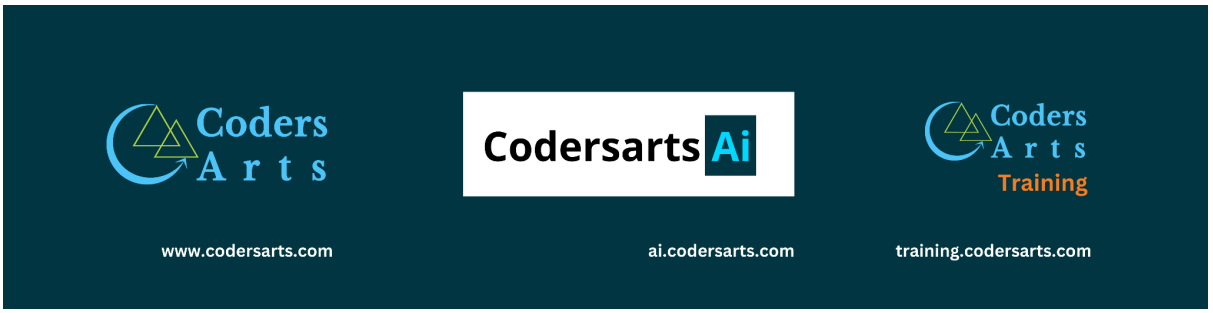
About Codersarts Training



Codersarts Training is a division of Codersarts that provides training services on a variety of programming languages and technologies. The company's team of experienced trainers can help individuals and businesses of all sizes to learn new skills and improve their existing skills.

Codersarts Training offers a variety of services, including:

- **1:1 Training and Tutoring:** Codersarts offers on-demand 1:1 training and tutoring in a variety of programming languages and technologies. This is a great option for students, developers, and anyone else who wants to learn new skills or improve their existing skills.
- **Programming Assignment Help:** Codersarts can help you with your programming assignments, homework, and final year projects. They can also help you with general debugging and problem-solving.
- **Online Courses:** Codersarts offers a variety of online courses in programming languages, web development, and other related topics. These courses are self-paced and can be taken from anywhere in the world.
- **Mentorship:** Codersarts offers mentorship programs to help students and developers advance their careers. Mentors provide guidance and support on a variety of topics, such as skill development, job search, and career planning.

Websites: www.Codersarts.com | www.training.codersarts.com | www.ai.codersarts.com

Contact Details: Email-ID: contact@codersarts.com | Whatsapp: +91 8789 81 6887

- **Corporate Training:** Codersarts offers corporate training programs to help businesses train their employees on new technologies and programming languages. These programs can be customized to meet the specific needs of each business.
- **Live Project Training:** This type of training involves working on real-world projects with experienced instructors. This is a great way to gain practical experience and to learn how to apply your skills to real-world problems.

If you are serious about learning to code and starting your career as a software developer, we highly recommend that you consider live project training. It is a great way to gain practical experience, to learn from experts, and to build your portfolio.

Here is a list of in-demand tech skills for course training

- Programming Languages: Python, Java, JavaScript, C/C++, and Go
- Web Development
- Mobile Development
- Cloud Computing
- Data Science
- Machine Learning
- Artificial Intelligence

Please note that this is just a small sample of the many in-demand tech skills. There are many other skills that are valuable in the tech industry, such as cybersecurity, DevOps, and IT support.

Text Summarization

About the course:

The "Text Summarization on CNN/Daily Mail Dataset" course is a practical and hands-on learning experience for individuals interested in natural language processing (NLP) and text summarization. In this project-based course, participants will dive into the world of automatic text summarization using Python and popular NLP libraries. The primary focus will be on creating extractive text summarization models to generate concise and coherent summaries from large articles or documents. By the end of the course, students will have the skills to develop and evaluate text summarization models, a valuable asset for anyone working with large volumes of textual information.

Learning Outcomes:

Upon completing this course, participants will:

- Understand the concepts and techniques behind text summarization.
- Gain hands-on experience with Python, NLP libraries, and machine learning for text summarization.
- Learn to preprocess and prepare textual data for summarization tasks.
- Develop extractive text summarization models that automatically identify and extract important sentences from articles.
- Evaluate the quality of generated summaries using appropriate metrics.
- Apply text summarization techniques to real-world datasets like the CNN/Daily Mail dataset.

Prerequisites:

- Basic programming skills in Python.
- Familiarity with fundamental NLP concepts, though not mandatory, will be helpful.
- Access to a Python environment with the required libraries for NLP and machine learning.

Websites: www.Codersarts.com | www.training.codersarts.com | www.ai.codersarts.com

Contact Details: Email-ID: contact@codersarts.com | Whatsapp: +91 8789 81 6887

Libraries and Programming Language Used:

- Python for coding and scripting.
- Popular NLP libraries such as NLTK or spaCy for text processing.
- Machine learning libraries such as scikit-learn or TensorFlow for building summarization models.

Course Syllabus:

Introduction to Text Summarization
- Understanding the importance and applications of text summarization.
- Overview of extractive vs. abstractive summarization techniques.

Setting Up the Development Environment
- Installing and configuring the necessary Python libraries.
- Preparing the development environment for text summarization tasks.

Data Acquisition and Preprocessing
- Obtaining textual data, particularly the CNN/Daily Mail dataset.
- Cleaning, tokenization, and preprocessing of text documents.

Extractive Text Summarization Models
- Introduction to extractive summarization methods.
- Implementing algorithms to identify important sentences in documents.

Feature Engineering for Summarization
- Extracting informative features from text for summarization.
- Building feature vectors for sentences.

Model Training and Evaluation
- Training extractive summarization models using machine learning techniques.
- Evaluating the quality of generated summaries using metrics like ROUGE.

Real-World Application
- Applying text summarization models to real-world articles or documents.
- Summarizing news articles from the CNN/Daily Mail dataset as a practical example.
