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ADITYA ENGINEERING COLLEGE (A)

APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO JNTU KAKINADA

ABOUT IT DEPARTMENT

Established as one of the major departments of the Institute, the Department of Information Technology at Aditya strives to produce highly competent engineers equipped with advanced professional knowledge, entrepreneurial thinking, professional and ethical attitude, critical problem solving and analytical skills through effective teaching learning process, research and industrial collaboration.

The faculty of the department, a rich blend with academic and industrial experience, have been constantly carrying out research on many cutting-edge technologies with regular publications in ELSEVIER and other top international journals. The academic quality of the department is reflected by the laurels won by the students and the distinguished positions in industry and academia occupied by alumni.

The department strives to upgrade the knowledge of faculty and students by organizing various Workshops, Industry-Institute Interactions, Continuous Improvement Programs inviting eminent personalities from Industry and academic Institutions, Seminars and Research activities. Students are provided internship programs in various power IT industries like DXC, TCS, Capgemini and etc.

VISION OF THE DEPARTMENT

To emerge as a premier department with quality of education ,technical competency and innovations.

MISSION OF THE DEPARTMENT

MISSION 1:

Provide an academic environment with quality infrastructure for solving real world problems and work in multi-disciplinary teams.

MISSION 2:

Impart value based education in innovative research and leadership aspects.

MISSION 3:

Collaborate with the industry and academic towards addressing the evolving changes in Information Technology and related areas.

Machine Learning with Python: Harnessing the Power of Data-driven Intelligence by: M.Sandeep on 3/03/2020

Machine Learning (ML) is a revolutionary field of artificial intelligence that empowers computers to learn patterns and make predictions without explicit programming. Python, a versatile and user-friendly programming language, has emerged as the go-to choice for ML enthusiasts and professionals alike due to its extensive libraries and ease of use. Through Python's robust ML ecosystem, developers and researchers can build powerful models, analyze complex datasets, and derive meaningful insights, driving innovation across various domains.

In the first paragraph, introduce the concept of Machine Learning and its significance in the world of technology and data. Emphasize Python's role as a popular and accessible language for implementing ML algorithms.

Machine Learning is at the forefront of the data-driven revolution, enabling computers to analyze vast datasets and uncover valuable insights. It has revolutionized industries ranging from healthcare and finance to marketing and autonomous vehicles. At its core, ML relies on algorithms that learn from data, adapt, and improve their performance over time. Python, a dynamic and high-level programming language, has emerged as a dominant force in the ML landscape due to its powerful libraries, such as NumPy, Pandas, and Scikit-learn. These libraries provide developers with an arsenal of tools to tackle various ML tasks, from data preprocessing and feature engineering to training sophisticated models.

Python's simplicity and readability have made it a favorite among developers and researchers, democratizing the field of ML and fostering a thriving community of enthusiasts. Beginners find Python's syntax easy to grasp, allowing them to focus on understanding ML concepts and experimenting with different algorithms. Moreover, Python's versatility enables seamless integration with other data processing and visualization libraries, facilitating end-to-end data analysis workflows. The availability of powerful frameworks like TensorFlow and PyTorch has further solidified Python's position as the top choice for deep learning applications, pushing the boundaries of what ML can achieve in image recognition, natural language processing, and robotics.

In conclusion, Machine Learning with Python has become a game-changer, empowering individuals and organizations to extract valuable knowledge from vast amounts of data. Python's intuitive and versatile nature, combined with its rich ML ecosystem, makes it an ideal language for both beginners and experienced practitioners. As the field of ML continues to evolve, Python's community-driven development and support ensure that it remains at the forefront of cutting-edge research and real-world applications. Whether you're an aspiring data scientist or a seasoned ML expert, Python provides the tools and opportunities to explore the limitless potential of intelligent algorithms and create innovative solutions to complex problems.

Placements:

Student ID	Student Name	Company	Package (in lakhs)
16A91A1240	SAKHINETIPALLI DURGA PRASAD	Wipro	6.0
16A91A1241	SHREYA Y PAI	Wipro	4.8
16A91A1217	GORLA AJAYTEJA	EPAM	4.0
16A91A1251	VAGVALA DAMANA SAI SRI PRATHYUSHA	TCS	5.0
16A91A1258	KUNA DEVI SARANYA	L&T	3.6
16A91A1257	KALTURI SOWMYA	Maersk	3.6
16A91A1261	PANKAJ KUMAR THAKUR	Tech Mahendra	4.8
16A91A1257	KALTURI SOWMYA	L&T	4.5

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