



SRI VENKATESWARA UNIVERSITY

NAAC A+



Certification Courses In Data Science



"As per the valuate reports Data Science platform market analysis and market size it is estimated at USD 10.15 billion in 2024, and is expected to reach USD 29.98 billion by 2029, growing at a CAGR of 23.5% during the forecast period (2024-2029)"



**SVU_Exfedu Data Science Programs
In Collaboration with Exafluence Inc.USA**

About Exafluence Education

As a division of Exafluence Inc., USA, Exfedu's primary objective is to bridge the gap between academia and industry, addressing the growing demand for skilled Data Science professionals. Our programs integrate real-world domain expertise into the curriculum, enabling students to gain hands-on, practical knowledge essential for today's data-driven career and empowering them to elevate their skills for rewarding career paths.

About SVU

Sri Venkateswara University (SVU), located in Tirupati, is a prestigious institution with NAAC A+ accreditation. Established in 1954, it offers a wide range of programs across disciplines like science, engineering, humanities, and management. SVU emphasizes research, innovation, and academic excellence, fostering a collaborative environment for students and faculty. The university's focus is on developing skilled professionals through quality education and real-world application, positioning itself as a leader in higher education in India.

About Exafluence.Inc.

Exafluence is a leading data analytics company that focuses on empowering organizations to stay ahead of the curve in their respective industries. With a global presence, Exf have established as an innovative leader in various industries, including Healthcare and Pharma, Banking and Financial Services, Consumer Products and Retail, Telecom, Industry 4.0, and others.

SV University & Exafluence Collaboration:

S.V. University, in collaboration with Exafluence Inc., USA, has launched a cutting-edge M.S. program in Data Science. The program covers key topics, including Data Analysis, Machine Learning, Data Visualization, and Big Data Management, and includes hands-on projects and case studies. The program is offered as a full-time course with options for both offline and online study. Additionally, S.V. University and Exafluence offer industry-oriented certification programs in Data Science and providing valuable skills for today's technology-driven world.

1. Certificate in Python in AI, ML & GenAI

Overview :

The Certification in Python for AI, ML & GenAI offered by Exafluence Education is designed to empower learners with essential skills for today's data-driven world. Through this course, participants gain a practical foundation in Python, specifically tailored to its applications in Artificial Intelligence (AI), Machine Learning (ML), and Generative AI (Gen AI).

Curriculum :

- Programming Fundamentals
- Statistics for Data Science
- Data with Python
- Applied Data Science with Python
- Machine Learning-I {Supervised Learning}
- Machine Learning- II {Unsupervised Learning}
- Deep Learning Specialization
- Essentials of Generative AI, Prompt Engineering & ChatGPT
- Advanced Generative AI
- Capstone Project

2. Certificate in Data Visualization (Power BI, Tableau, SQL & MongoDB)

Overview :

The Certificate in Data Visualization (Power BI, Tableau, SQL & MongoDB) offered by Exafluence Education is a cutting-edge program tailored for individuals aiming to turn complex data into compelling visual stories that drive business insights

Curriculum :

- Python – Preliminary Basics
- Statistics for Data Science
- Data With Python
- Introduction to Visualization
- Business Data Analysis with power Tools
- Exploratory Data Analysis
- Perceptual design with Tableau
- Design for understanding- purpose, data relationships
- Databases using SQL and Mongo
- Mongo DB
- Capstone Project

3. Certificate in Cloud Computing -Full stack on AWS, GCP, Azure

Overview :

The Certification in Cloud Technologies offered by Exafluence Education is designed to equip learners with crucial skills in cloud computing—a field transforming industries through scalable, secure, and cost-effective solutions. This certification stands out for its industry relevance, hands-on approach, and career-advancing focus

Curriculum :

- Introduction to Cloud Computing
- Core Cloud Services Overview
- Storage Solutions in the Cloud
- Networking Essentials
- Advanced Compute and Data Management
- Database Management in the Cloud
- Cloud Security Fundamentals
- Automation and Infrastructure as Code
- Advanced Cloud Networking and Security
- Cloud Security Deep Dive
- Hybrid and Multi-Cloud Strategies
- Midterm Project - Real-World Cloud Solution
- Data Engineering, Machine Learning, and Analytics
- DevOps, Monitoring, and Optimization
- Capstone Project on AWS, GCP, or Azure.

Delivery:

Duration	Classes	Delivery Mode (hybrid)
6 months	Weekdays - 2 hrs each Weekends - 4 hrs each	Offline & Online

Eligibility:

- B.Sc with Mathematics as main subject along with any two of the following subjects: Physics, Chemistry, Statistics, Electronics, Computer Science
- B.Tech. CSE/ IT/ ETC (Electronics & Telecommunication Engineering) ECE (Electronics & Communication Engineering) EEE (Electrical & Electronics Engineering)

Admission Process:

Through Common Entrance Test



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