Exploring Critical Approaches of Evolutionary Computation
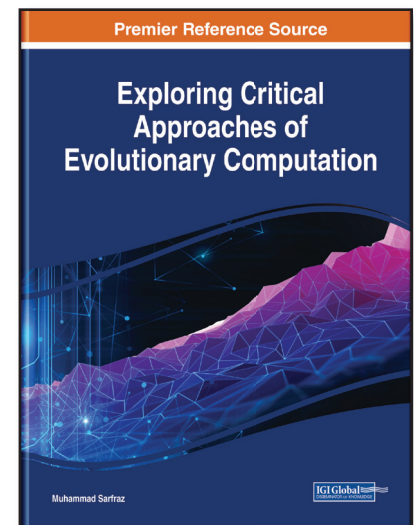
Part of the Advances in Computer and Electrical Engineering Book Series

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Description:

Modern optimization approaches have attracted an increasing number of scientists, decision makers, and researchers. As new issues in this field emerge, different optimization methodologies must be developed and implemented.

Exploring Critical Approaches of Evolutionary Computation is a vital scholarly publication that explores the latest developments, methods, approaches, and applications of evolutionary models in a variety of fields. It also emphasizes evolutionary models of computation such as genetic algorithms, evolutionary strategies, classifier systems, evolutionary programming, genetic programming, and related fields such as swarm intelligence and other evolutionary computation techniques. Highlighting a range of pertinent topics such as neural networks, data mining, and data analytics, this book is designed for IT developers, IT theorists, computer engineers, researchers, practitioners, and upper-level students seeking current research on enhanced information exchange methods and practical aspects of computational systems.

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Topics Covered:

- Artificial Intelligence
- Data Analytics
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- Fuzzy Logic
- Genetic Algorithms
- Metaheuristics
- Neural Networks
- Particle Swarm Optimization

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