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| **Abstract:** |  |
| We live in the age of Artificial Intelligence (AI) which permeates all aspects of our lives, from spam filtering to image classification on social media. While it is already well-established in industries ranging from heavy manufacturing to the IT field, its impact on the design professions remains relatively unexplored. This essay explores the use of neural networks in architecture, which is arguably the first genuinely 21st-century design technique and discusses experiments with Generative Adversarial Networks (GANs) to generate unexplored futuristic possible noble forms in architecture. In this way this paper also raises the question if machine can generate noble forms through its creative data optimization process. In this process one of the most famous heritages building of Bangladesh 60 dome mosque (Shat Gombuj Moshjid) has been examined to get expected result.  Furthermore, this paper discusses how AI can be used as a personalized tool for architects to generate and express design ideas. It evaluates popular datasets for architectural purposes and considers the potential outcomes of experiments. The input of AI in the design process could usher in a new era of architectural design. As data continues to grow, it is shaping our collective future. Therefore, this paper concludes that it is essential to prepare our trained datasets to accept the future which might open up an extraordinary new chapter in the architectural realm | |