# Blockchain Application

## Customer Profile:

Our client is a top global business consulting and technology services provider. They provide end-to-end solutions and services in the areas of information technology, consulting and various industry segments.

## Problem Statement:

Traditional patent application system has no mechanism to check whether the patent documents submitted during the application are tampered or not after approval. By creating a NFT, which cannot be tampered by anyone, anyone can verify that patent details owned by a person is authorized and contains no tampering

## Project Background:

Our client requires a platform where the owner can apply for a patent for a particular product. In addition to this, client require Blockchain technology to be integrated to ensure transactions are secured.

## Challenges:

* Limited Amount of Ethereum
* Immutability of Smart Contracts

## Technology:

* Development Language: Javascript, Solidity
* Database: MongoDB, Ethereum Blockchain
* Frameworks: React, Node
* File Storage: AWS S3

## Solution:

## We delivered a custom application that enables owners to apply for a patent, since a patent confers exclusive legal rights concerning the exploitation of an invention, it allows the owner the best opportunity to profit from the invention by preventing others from copying it. This is a blockchain based application that helps to keep a patent document in a safe and secure format. The main concept of the project is to secure the patent workflow by using blockchain technology. The NFT token is generated by using the blockchain technology, so once the patent is approved by the authority, the user can trust the product, because there is no tampering happening within the patent. Users can also list their patent for sale for a price of their choice. On doing so, other users will be able to place bids on patents they wish to own. Once the bid is approved, the approved bidder can make payment and obtain ownership of the patent.

## Achievements:

* Increased Security and Privacy
* Increased user trust
* Feature-rich Solution

## Return on Investment:

This application has created a more credible patent management system, It’s an end to end application for the patent application process.