# Aditya Keskar

adityakeskar2003    Aditya Keskar    *My Portfolio*

Hadapsar,

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## COURSES AND CERTIFICATIONS

### Blockchain and its Application –NPTEL

Blockchain Basics, Decentralized Systems, Smart Contracts, Cryptocurrencies (Bitcoin, Ethereum), Hyperledger, Consensus Algorithms, Solidity

### Cryptography and Network Security –NPTEL

Classical ciphers, Stream Ciphers, Block Ciphers, Public key cryptography, Hash Functions, Digital Signatures, Cryptanalysis methods

### Introduction to IOT – NPTEL

IOT Networking, Connectivity Technologies, Sensor Networks, Arduino Programming, Software Defined Learning, Cloud Computing, Edge Computing, Fog Computing, IOT Applications

### Introduction to Quantum Computing and Qiskit – NPTEL

Quantum Gates, Quantum Circuits, Quantum Algorithms, Entanglement, Superposition, Qiskit SDK

## PROJECTS

### E-Krishi – Javascript, NodeJs, ExpressJs, Arduino IDE, Firebase

- Developed to revolutionize agriculture by leveraging IOT technology and web application to provide real-time data insights for farmer, enhancing productivity and bridging the gap between farmer and government schemes.

### Smart Lamp – Flutter, Dart, Arduino IDE, Firebase

- A smart lamp with app controlled functionality and auto adjustment features based on the surrounding light intensity, integrated with customizable alarm setting for enhanced user experience.

### DigiVote – Flutter, Dart, Solidity, Infura

- A secure and transparent blockchain based voting system, ensuring integrity and anonymity in the electoral process while enhancing accessibility and trust in democratic process.

### Learning Management System – Django

- Developed a Project featuring user authentication with login/signup, course selection, razorpay payment integration, enrollment functionalities, enhancing user experience and facilitating seamless learning experience.

### Railway Management System – MySQL and Tkinter

- Implemented features such as checking train availability on different dates, booking trains for different classes, selecting any station from origin to destination and charging ticket accordingly
- Designed an admin Panel for adding and updating driver, train and station information

## SKILLS

### Languages
Java, Python, Solidity, JavaScript

### Web Development
ExpressJs, NodeJs, ReactJs, Django

### Databases
MongoDB, MySQL, Firebase

### Others
Arduino IDE, Qiskit, tkinter(Python), Git, Cisco Packet Tracer

## AWARDS

### NPTEL DISCIPLINE STAR

JAN – 2023

## EDUCATION

**Vishwakarma Institute Of Information Technology,** Pune — B.Tech : *Computer Engineering 2025*

CGPA: 9.46/10

**Spring Dale Jr College of Science, Ch. Sambhaji Nagar** — 12th

Percentage: 91.83 %

**Dnyanada English School, Ch. Sambhaji Nagar** — 10th

Percentage: 92.2%

## COURSEWORK

Data Structures and Algorithms
Object Oriented Programming
Operating System
Computer Architecture and Org.
Computer Networks
Database Management System