



# Aditya Kakkar

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## WORK EXPERIENCE

### Tata Insights and Quants | Intern

March 2023 - Present | Online

- Worked on thyroid detection model with train accuracy of 93% and test accuracy of 89%
- Created website where after giving input we receive if user has thyroid and if they have, what type is it
- Acquired experience in computer vision and image processing techniques

### C-DAC (MeitY (Govt. of India)) | Intern

October 2022 - March 2023 | Chennai, India

- Worked on Supply Chain Management System for Government Hospitals using Blockchain
- Focused on frontend development using React
- Designed and implemented user-friendly interfaces
- Worked with APIs to integrate with backend functionality

## PERSONAL PROJECTS

### Twitter (Backend)

(Node.js, Express.js, Passport.js, MongoDB, AWS (S3), Jest, Git)

- **MVC architecture** based, **monolith** project with **CRUD** and **authorization** functionalities
- Implemented **Passport.js** for user authentication and authorization system
- Supported **likes, comments, and nested comments** features for posts
- Utilized **AWS S3** functionality for image uploading and storage
- Tested project functions using **Jest** and managed data with **MongoDB**

### Airline Management System (Backend)

(Node.js, Express.js, SQL, ORM (Sequelize), RabbitMQ, AWS, Git)

- **MVC architecture** with 4 microservices and an API Gateway
- **Microservices**: Booking, Authentication, Email, and Flight
- **SQL** used as the database with **Sequelize** as **ORM**
- Reminder service automated with **RabbitMQ**
- Deployed on **AWS EC2** instances with **Auto-scaling**

### Ex-pecies NFT Marketplace

(Solidity, JavaScript, React)

- Developed an e-commerce website using **React.js** for selling NFTs related to endangered or extinct species
- Utilized a **CNN model** to ensure the authenticity of NFTs in relation to the targeted species
- Provided comprehensive descriptions of NFTs to educate potential buyers on the significance of those.

## SKILLS

Over 1000 lines:

Java • JavaScript

Over 500 lines:

Node.js • Express.js • SQL

Familiar:

Git • ORM (Sequelize) • Passport.js • Jest • RabbitMQ  
AWS (EC2, Autoscaling, S3) • MongoDB

## CERTIFICATES AND ACHIEVEMENTS

### Bizthon – Dubai 2022

Winner (Represented India at the stage of T-Defi at GITEX, Dubai)

### Solana for India Fellowship

Selected as one of the top 100 candidates from India to learn and work on Rust

### Frost Hack – IIT Mandi (2022)

WINNER

### HackCWRU (2022)

Winner - Best Sustainable project and best domain

### BlockET – IETVIT (2022)

Winner – Technical Runner Up

### Data Day Grind III - Major League Hacking (2022)

Winner – Best use of Matlab

### Problem Solving through Programming in C (2020)

### Data Base Management System from NPTEL (2022)

Founder of VIT Blockchain Community and Media Head of Hindi Literary Association

## EDUCATION

### Bachelor of Technology

### Electronics and Communication

### Vellore Institute of Technology

2023

Vellore, India - 8.03 CGPA

### 12th

### St. Michael's High School

2018

Patna, India - 80.6%

### 10th

### St. Michael's High School

2016

9.8 CGPA