



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