# SANIDHYA TAHILIANI



## ABOUT

Final year student at Bits Pilani KK Birla Goa campus. Aspiring Software Developer with 5 months of internship experience working in the backend. Adept at making critical decisions and quantitative problem-solving, dedicated to company growth and improvements through diligent work-ethic and dedication to quality.

## CONTACT

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## TECHNNICAL SKILLS

- Java
- Python/Flask
- Golang
- C Programming
- Dialogflow
- Docker
- SQL Databases
- Git
- MATLAB
- React

## POSITION OF RESPONSIBILITY

Panel Coordinator for Matka - Quark controls
Aug 2021 - May 2022
I was Incharge of organizing and conducting the e-sports/gaming event(Matka) for Bits Goa's annual technical fest - Quark'22

## EXTRA CURRICULARS/INTERESTS

Cricket - BITS GOA CRICKET TEAM | Aug 2019 - May 2022
Badminton, Football, Music, traveling, Gaming.

## WORK EXPERIENCE

**Mudrex | Software Development Intern (Backend)**
JULY 2022 - DEC 2022

- Worked on the core wallet and ordering service for developing and enhancing features for Mudrex B2C mobile application.
- Participated in code reviews and contributed to production features whilst passing code quality checks on dev/staging deployment lifecycle.
- Worked on **Dockerized Golang** and **Flask based MVC** applications whilst producing clean, efficient and bug-free code for projects through debugging and testing.
- Worked on researching open data **REST APIs** of different **cryptocurrency**-trading exchanges and delivered performance metrics reports.
- Worked on projects involving optimizing the ordering flow using Technical Analysis(TA) and Backtesting using Binance APIs.

**Knowcross Solutions | Intern**
MAY 2021 - JULY 2021

- Worked on developing and training a chatbot for implementation on their iwatch app using **DialogFlow**
- Shadowed daily activities of office staff to gain understanding of scope of work.

## PROJECTS

**TO MAXIMIZE REVENUE BY OPTIMIZING THE ORDERING PROCESS ON THE CRYPTO EXCHANGES WHILE MINIMIZING MARKET EXPOSURE - IT, Technical Analysis, Cryptocurrency**
**Mudrex | JULY 2022 - DEC 2022**

- Reading up and researching on trading and Technical analysis(TA). Making and **backtesting** strategies on Mudrex platform.
- Wrote code in **python** using **jupyter notebook** for backtesting on some self-made strategies with variable parameters using Binance **API** to fetch the candlesticks data..
- Ultimately I was able to obtain **2-3%** better returns on sample asset pairs(BTC-USDT, ETH-USDT)

**AIR QUALITY VISUALIZER - Software Development, React, APIs | JUNE 2021 - JULY 2022**

- Built an Air Quality Visualizer for India, which fetches data from a government API. This API gives air quality data by monitoring pollutants like SO & NO from **1800 locations in real-time**.
- Used Mapbox GL to display the fetched data as a **HeatMap**. Mapbox GL is a JavaScript library for interactive, customizable vector maps on the Web.
- Used **MapBox Geolocation API** for converting addresses to coordinates
- All of this was built as a **React** app.

## EDUCATION

**BITS Pilani, KK Birla Goa campus**
2019 - 2023 | B.E. (Hons) | Mechanical Engineering
CGPA : 8.2

**Campion School, Bhopal**
2012 - 2018

- CLASS XII | CBSE BOARD : 78.8%
- CLASS X  | CGPA : 9.4