

ABOUT

: Highly interested in Machine Learning, it's applications in the financial world and Quantitative Research. Also have a keen interest in app development majorly for the iOS platform. And loves to compete in coding challenges & contests for extra thrills.

EDUCATION

- **Indian Institute of Information Technology Design and Manufacturing** Jabalpur, India
Bachelor of Technology - Mechanical Engineering 2019 - 2023
- **Mittal International School** Kota, India
Senior Secondary (XII) - Science 2016 - 2018
- **Delhi Public School** Bhopal, India
Secondary (XII) 2014 - 2016

SKILLS SUMMARY

- **Languages:** Python, C, C++, Swift, SwiftUI, JAVA, Objective-C
- **Frameworks:** Scikit, NLTK, SpaCy, TensorFlow, Keras, Django, JAX

EXPERIENCE

- **studAnt.in** Remote
iOS Developer Intern May 2021 - June 2021
 - **Responsibilities:** Maintained and updated app's UI. Technologies used were Alamofire, Zoom meeting iOS SDK, Firebase

PROJECTS

- **Program for rating trading strategies (Python, TA-Lib, Google API):** Used Zerodha's kiteconnect api for live stock prices and ranked strategies on the basis of risk-reward ratio (October '20)
- **Statistia (task/time management iOS app):** An app for creating and performing tasks with Firebase Database built on MVVM architecture. (August '21)
- **Stock Price Volatility prediction:** Used LSTM model on S&P 500 index data-set and also compared the results with ARCH model predictions (December '21)
- **Disaster Tweet Classification:** Used NLTK and Logistic Regression to predict whether the tweet actually announced a disaster or not. (November '21)
- **FPGA based implementation of Vedic Multiplier:** Interrelating the multipliers used in digital circuit using Vedic Mathematics, reducing the time delay and power consumption for applications using DSP (Jan '22)

ACTIVITIES

- Core-Committee Member of Business Management Club - May, 2020

VOLUNTEER EXPERIENCE

- **Emerging Materials for Biomedical Engineering symposium** Jabalpur, India
Actively participated and Coordinated the 3-day event. Jan 2022