

# Ashish Yadav

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## EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY  
BACHELOR OF TECHNOLOGY

July 2017 - May 2021 | Surat, GJ, India

Extensive Electives and Coursework completed in:

- Object Oriented Programming
- Object Oriented Technology
- Data Science
- Machine Learning
- Advanced Engineering Mathematics

KENDRIYA VIDYALAYA No. 1

HIGHER SENIOR SECONDARY SCHOOL CERTIFICATION

April 2014 - Mar 2016 | Kanpur, UP, India

Branch : Computer Science ( 91.8%)

## TECHNICAL PROJECTS

SEARCH ENGINE | Live, Code

July 2020

- Created a Search Engine using PHP that search's and displays result after crawling 3000+ sites and 15000+ images.
- Provides all search results in less than 1 second.
- A google-like pagination system implemented.
- Introduced voice search feature and observed an upward spike in site hits by 2% in one day.

MUSIC STREAMING ONLINE WEBAPP | Live, Code

June 2020

- Create an online Music Player using PHP with all basic functionalities of a music player using EcmaScript6 and fetching songs from MySQL Database.
- To prevent live playing music from pausing while moving between pages, made Ajax calls to load content Dynamically.
- Introduced an account feature to add functionality of Playlist.
- 1000+ user registrations in 3 days.

COVID-19 DASHBOARD | Live, Code

April 2020

- Using Johns Hopkins Dataset created a dashboard that helps in visualizing novel coronavirus Covid-19 with country wise data.
- Implemented special section with visualizations of covid-19 in India for region wise data, and reported any information available regarding reported cases according to news.
- The Dashboard Includes a news portal that scrapes different news websites and displays any news regarding Corona Virus.

RAILWAY ANNOUNCEMENT SYSTEM | Code

Jan 2020

- Reads Train schedule for the day as an input from an Excel file. Using Google text to speech API saves audio for required 7 fields for announcement as per Indian Railway system.
- Using pyDub and pyAudio modules creates sound clip skeleton by clipping an Audio file into 4 sections.
- stitches all clips together and automatically generates sound clips corresponding to a train and saves them in order for announcements.
- Capable of generating 1 million sound clips in under 10 minutes.

## WORK EXPERIENCE

JP MORGAN CHASE & Co. | InsideSherpa

SOFTWARE ENGINEERING VIRTUAL INTERNSHIP

April 2020 - May 2020

- Used JP Morgan Chase's open sourced software "Perspective" to develop an alternative way to visualize and analyze share price data in real time for their traders that provides them with potential trading opportunities, using 2 different stocks.
- Added functionality to Equity team trader's dashboard allowing them to input specific information for monitoring 2 historically co-related stocks and visualize when the correlation weakens so they can monitor new trading strategies.
- Made necessary adjustments to facilitate the monitoring of trading opportunities by fixing 3 different broken client script.

CAREER LAUNCHER | INTEL

MACHINE LEARNING VIRTUAL INTERNSHIP

May 2020 - July 2020

- Analyzed data to find trend of Stock price of Tata Consultancy Services with respect to stock price of Nifty50, and provided Visualization using matplotlib.
- Used stock data of last 2 years' price action of Indian Gold Standard and performed fundamental Analysis using Linear Regression to find coefficients of Input and used the same trained model to fill the entire Prediction column.
- Trained a classification model using Logistic Regression to perform Trade call prediction using 3 provided Bollinger columns, namely, Higher than upper Bollinger Band (Call: Short), Upper to mid Bollinger Band (Hold Short), Mid to lower Band (Hold Buy), Lower than lower band (Buy).

## SKILLS

TECHNICAL SKILLS

Proficient with:

C++ • Python3 • Data Structures & Algorithms • JavaScript (ES6)  
HTML5 • CSS3 • Git • MySQL • Data Analytics • Machine Learning  
Data Visualization • Statistical Modeling • Network Protocols  
Predictive Analysis • Clustering & Classification • Windows • Ubuntu  
Data Mining • Quantitative Analysis • Information Retrieval

SOFT SKILLS

Outstanding:

Leader • Motivator • Public Speaker

## EXTRA CURRICULAR

SPORTS

BASKETBALL

2017 - 2018 | NIT Surat, GJ, India

Led team to 2<sup>nd</sup> rank in inter year Basketball tournament.

2013 - 2014 | IIT Kanpur, UP, India

Participated in 44<sup>th</sup> Regional K.V.S Basketball meet.

FOOTBALL

2018 - 2019 | NIT Surat, GJ, India

Secured 4<sup>th</sup> rank in inter year Football tournament.