

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

Honors and Extracurricular:

- Prime Ministers National Scholarship holder for excellent academic performance.
- 1st rank under "Entertainment" section in startup weekend by Indian Institute of Technology, BHU.
- Led the basketball team to victory thrice in the DAIICT tournaments.
- Winner of HackCovid hackathon.

ENTREPRENEURIAL EXPERIENCE

SEARCH ENGINE | Live, Code

July 2020

- Created a Search Engine that provides 9000+ search results in less than 1 second after searching across 3000+ sites and 15000+ Images.
- A pagination system implemented using Logo for smooth transition between pages.
- Provided an upward spike in daily site visits by 30% adding a voice search feature.

MUSIC STREAMING ONLINE WEBAPP | Live, Code

Mar 2019

- Create an online Music Streaming service along a Music Player from scratch with all basic functionalities.
- Songs fetched from MySQL database to prevent the page from loading the songs while loading the DOM model.
- To prevent live playing music from pausing while moving between pages, made Ajax calls to load content Dynamically.
- Increased site efficiency to two folds by using Stack data structure to improve functionality of browser's back button while using AJAX.

SKILLS

TECHNICAL SKILLS

C++, Python3, Data Structures & Algorithms, JavaScript (ES6)
HTML5, CSS3, MySQL, PHP

SOFT SKILLS

Leader - Listener - Public Speaker - Fast Learner

WORK EXPERIENCE

JP MORGAN CHASE & Co.

SOFTWARE ENGINEERING VIRTUAL INTERNSHIP

May 2020 - July 2020

- Worked with a team of 10+ SDE Trainee's to provide an effective way to visualize and analyze share price data in real-time for their traders using JP Morgan Chase's open source software "Perspective".
- Increased equity team's trading efficiency by 52%, by creating a system that provides visualization of two historically co-related stocks using specific input information, allowing monitoring of new trading strategies when the correlation weakens.
- Made necessary adjustments to facilitate the monitoring of trading opportunities by fixing 3 different broken client script.

TECHNICAL PROJECTS

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 for 190+countries.
- Implemented special section with visualizations of covid-19 in India for district wise data using API for 600+ districts, and reported any information available regarding reported cases according to news.
- The Dashboard Includes a news portal that scrapes 12 different news websites and displays any news regarding Corona Virus using their DOM model.

AI BASED SELF DRIVING CAR TRAINER | Code

June 2019

- Built an Artificial Intelligence system from scratch using JavaScript that trains a Self-Driving car.
- Divided Road, footpath and Driving Zone into two portions to remember previous positions and adapt according to predictions.

RAILWAY AUTOMATED ANNOUNCEMENT SYSTEM | Code

Jan 2019

- Developed a system that generates announcements for 100+ Train schedules in less than 1 minute.
- Used GTTS and PyDub to generate audio clips regarding each entry in the Input Excel file.

VIRTUAL ASSISTANT | Code

Nov 2018

- Used python to automate tasks for Virtual Desktop assistant using Voice Commands.