

Ankit Yadav

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EDUCATION

Indian Institute of Technology, Mandi B. TECH. ELECTRICAL ENGINEERING

H.P. India | 2019-present

- **Cumulative GPA:** 8.25/10
- **Relevant Coursework:** Data Structures and Algorithms; Object Oriented Programming; Information and Database System; Computing and Data Science; Engineering Mathematics

SKILLS

Languages: C++, Python, Java, SQL (MySQL)

Web Development: Django, JavaScript, Bootstrap, HTML/CSS

Expertise Area: Data Structures & Algorithms and OOPs

Technology: Git/Github, MATLAB, VS Code, DBMS

PROJECTS

COVID-19 LIVE TRACKER

GEO PLUGIN API, PROMISES, CHART.JS, HTML, CSS, JAVASCRIPT

- Created a Responsive Web Application to show the real-time data for coronavirus cases across the world.
- It takes users IP address to get the country code from GEO-PLUGIN API. I used Promises to fetch the Covid data.
- Graph is plotted using Chart.JS. It allows user to change the country from the country list available using search box.

SMART-DRAWER

ARDUINO, THUNKABLE, FIREBASE, CLOUDINARY, PYTHON

- A Physical drawer linked to an app via firebase in order to maintain an inventory of things for easy management.
- The drawer consisted of Arduino, Camera Module, NodeMCU, and other sensors.

SORTING VISUALIZER

TIME STAMP, JAVASCRIPT, HTML, CSS

- Created a web app to visualize how various sorting algorithm works. It has a Simple UI.
- Useful things for this project was one Dom Manipulation and another was the timer function in Javascript.
- It allow users to select from the various sorting techniques, controlling the speed of the visualization and generate new array of different sizes.

DATA ANALYSIS

PYTHON, PANDAS, NUMPY, MATPLOTLIB, SCKIT-LEARN

- Worker on Covid-19 Rest APIs for India and around the world and evaluated patient-level statistics.
- Also worked on IIT Mandi Landslide dataset and pre-processed it so that we can examine the landslide area more accurately and warn the farmers accordingly.
- Used different Machine Learning techniques on the given data set to extract the insights and predict the outcome.

BLOG APPLICATION

PYTHON, DJANGO, SQLITE, HTML, CSS

- Made a full Stack restful application using Django which allows all CRED operations. Homepage lists all blog posts with the details of the Author, date and time of publishing.
- Lightweight database was used i.e. SQLite 3. Also I have deployed this app on PythonAnywhere.

ACHIEVEMENTS AND EXTRA-CIRRICULARS

- **Global Rank 2570** | Interviewbit
- **4 star** in Problem Solving | HackerRank
- **All India Rank 2833** Joint Entrance Exam Advanced, among 200,000 candidates
- **1st Position** ROBONOX-2020 (Annual comp. of Robotronics Club | IIT Mandi)
- **2nd Position** Discuss Throw, Aagaaz-2019 | IIT Mandi
- **Planning and Management Head** AstraX'21 | IIT Mandi