# Arun Patwa

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## Education

**Indian Institute of Technology, Mandi**                                                              Himachal Pradesh, India
*B.Tech, Electrical Engineering, CGPA: 7.07 (Till 4th semester)*                                        *November 2020 - July 2024*
Courses: • Data Structures and Algorithms • Computer Networking • Operating System • OOPs Concepts

**Jawahar Navodaya Vidyalaya, Datia**                                                                  Madhya Pradesh, India
*CBSE Board, Class - XII: 91.6%*                                                                        *April 2018 - March 2019*

## Skills

- **Languages & FrameWorks**: C++, Python, HTML, CSS, Flask, NodeJS, ReactJs, Java Script
- **Machine Learning & Python Libraries** :NLP, Pandas, Numpy, Matplotlib
- **Others**:Git, Github, VS Code, Spyder, Jupyter Notebook, Google Colabs
- **Soft Skills:** Communication, Leadership, Teamwork, Collaboration, Problem Solving, Desire to learn

## Projects

**Path-Finding-Visualizer [Live Demo]**                                                                [github]
*Tech:HTML, CSS, JavaScript, ReactJs*                                                                  *Sep, 2022*
- Implemented algorithms are Djikstra's Algorithm, Breadth First Search (BFS), and Depth First Search (DFS).
- It shows the complete working visualisation of the above algorithms. This finds the minimum path by iterating over nodes and finally showing the minimum path.
- It can create the boundary walls/obstables by cursor.

**Stock Prediction [Demo]**                                                                            [github]
*Tech: Python, Streamlit, Linear Regression, Yfinance, FbProphet*                                      *May-Aug, 2022*
- Implement this Web application to get the stock prediction.
- It shows graphical representations for the raw and forecasted data.
- It can find the different stocks Predicted price using linear regression.

**Data Summarizor(NLP, Flask-Backend, HTML, CSS-Frontend) [Demo]**                                     [github]
*Tech:NLP, Flask, HTML, CSS*                                                                           *Oct, 2022*
- This helps to convert the long text into a summarized, short, meaning-full text.
- It can show the summary as per the desired word count given to it.
- Implemented by using Hugging-face NLP Summarisation API

**Lets Connect (NodeJS, Socket.io, HTML, CSS, Javascript)**                                            [github]
*Tech: NodeJS, Socket.io, HTML, CSS, Javascript*                                                       *Jan, 2022*
- online web platform where multiple users can join for a real-time temporary chat.
- client server and web server are connected by socket.io to give low latency and bidirectional chat

**Apna Market (E-Commerce Website)-Full Stack Web Application**                                        [github]
*Tech: HTML, CSS, Flask, JavaScript*                                                                   *Dec, 2021*
- created an online shopping platform. used flask for the database. It can store multiple user , orders, and login data. is secure and equipped with multiple login accounts.

## Certificates

- **Coding Ninjas Certificate**:                                                                      *Feb, 2022*
  Data Structure and Algorithms in C++ course Completion.
- **Bits and Bytes of Computer Networking:**:                                                         *Oct, 2022*
  Learn the Computer Networking from the Coursera and got the certificate

## Achievements

- **Google Kick Start Round G 2022**:                                                                 *15 Oct 2022*
  Participated and got Global Rank 2125 out of 12,250 participants
- **Google Cloud (Profile Qwiklabs):**:                                                               *Nov, 2021*
  Completed Google Cloud 30 Days challenge of QwikLabs based on the cloud networking.
  some lab exercises–Build and Secure Networks in Google Cloud, Deploy to Kubernetes in Google Cloud,
  Integrate with Machine Learning APIs.
- **Dakshana Scholar**: Grabbed Dakshana 1-year JEE coaching scholarship provided to only 1% of pan India Government School

## Positions of Responsibility

- **Xpecto** : Volunteered for the publicity and media team of Xpecto'22 (a TechFest event conducted by IIT Mandi).
- **Design Practicum** : Team Leader of the group project in the institute-level Design Practicum Course.
- **Entrepreneurship Practicum** : Worked in the Startup which aims to help in connecting local Tourism of Himanchal Pradesh using Web and Mobile Application