



Manik Chadha

Portfolio

B.E

Electrical and Computer

Thapar Institute of Engineering and Technology

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Leetcode

GitHub

LinkedIn

EDUCATION

Thapar Institute of Engineering and Technology, Patiala

Bachelor of Engineering, Major in Electrical and Computer

October 2020 - June 2024

CGPA 8.03

Delhi Public School, Gurugram

CBSE Class XII

March 2019 - March 2020

Percentage : 90

EXPERIENCE/SUMMER INTERNSHIP

Data Scientist

Maruti Suzuki India Limited

June 2023 - July 2023

Gurugram • On Site

- Led data analysis on second-hand car websites using **web scraping** with **Selenium**.
- Developed optimized pipelines and models to compare prices on **TrueValue**, MSIL's used car platform.
- Led pioneering **NLP-based initiative** to categorize workplace injuries using **SHAP** and **LIME** XAI techniques, enhancing identification and prevention strategies.
- Executed a **proof of concept (POC)** for image classification using **Convolutional Neural Networks (CNN)** and **Support Vector Machines (SVM)** in **TensorFlow**.
- Employed **data augmentation** and **L2 regularization** techniques to achieve a robust **accuracy of 70%** for classifying car parts as **brittle or ductile**.

PROJECTS

SmallCut | **Youtube** | *Whisper, LangChain, LlamaCpp, OpenAI | Streamlit*

March 2023 - April 2023

- Orchestrated ML integration for the groundbreaking smallCut project, optimizing investment strategies. Employed tech stack: **Whisper, LangChain, LlamaCpp, OpenAI/GPT3.5**.
- Revolutionized investment practices via AI-driven solutions, **mitigating financial barriers**. Achieved seamless deductions of **3-5% per transaction, fostering vendor convenience**.

Findables.co | **Figma** | **Youtube** | *React, Bootstrap | PyTorch, Random Forest*

May 2022 - August 2022

- Spearheaded a team of four, employing **agile software development** principles to construct **Findables.co**, a groundbreaking **MERN-based web application** revolutionizing the lost and found notice process on campus.
- Implemented **React** to code the website, empowering users with **secure login authentication, image uploading, and detail product descriptions** for an enhanced lost and found experience.
- Engineered a sophisticated matching system, **facilitating efficient connections between owners and finders, minimizing spam emails**, and establishing Findables.co as the go-to platform for lost and found items.

ACHIEVEMENTS

- Attained a 1550 rating on **Leetcode**. and secured a 3-star ranking by solving over 450 problems.
- Received an award for outstanding contributions to the **Spark AR Community Hackathon** demonstration.
- Attained certificate of appreciation, ranked **1324 AIR**, **Innovate India Coding Championship 2022**.
- Secured **5th rank nationwide** in the challenging coding competition **Enigma**, organized by **ACM**.
- Achieved **semi-finalist status** in all tracks of **Flipkart's flagship** engineering campus challenge, **GRiD**.
- Advanced to the **semi-finals in Amazon's HackOn 3.0**, ranking among the **Top 50 from 7,018** teams across India.

TECHNICAL SKILLS

Languages: Python, C++, SQL, PL-SQL, HTML/CSS, Solidity

Computer Science Fundamentals: OOPS, Data Structures, Algorithms, DBMS, Error Handling, OS

Developer Tools: Git-Github, Google Cloud Platform, VS Code, Visual Studio, Vercel, Netlify, Jupyter, Spyder, Linux, Collab

Libraries: ARIMA, SARIMAX, Prophet, Sklearn, Selenium, Tensorflow