

PRANSHUL THAKUR

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SKILLS

Programming: Python, JavaScript, HTML/CSS, SQL, Node.js, MongoDB, Matplotlib, NumPy, Pandas, Seaborn, Data Structures
Dynamic Programming

Tools: Android Studio, IntelliJ, PyCharm, Visual Studio code, AWS, Jupyter Notebooks, Git, Bootstrap, MongoDB Compass

Professional: Analytical Skills, Time Management, Problem Solving, Multitasking Attributes, Quick Learner

Others: Statistics, Linear Algebra, Web Development

PROJECTS

Heart Condition Detector

Jalandhar, Punjab

Solo developer

Completed, Sep 2023 – Oct 2023

- Simple heart condition detector which uses, Kaggle for its dataset and google collab to give a description about the condition of a person's heart. (It has a range of 84-86% accuracy rate)
- **Approach:** Created using libraries such as, NumPy, pandas and used Logistic Regression, Nearest Neighbors Algorithm (KNN) and Random Forest as its algorithm models.
- **Complexity:** • Selecting a good quality Dataset and pre-processing it.
 - Algorithm Selection Complexity.
 - Handling Constraints such as null values, class imbalance, outliers and duplicates.
- **Current State:** Currently, the program is on a Jupyter notebook, and so trying to make it into a mobile application using Kivy and BeeWare.
- **Future:** Once developed, the application can serve as a portable health checker, especially for the elderly who may be suffering from heart conditions.

Quick Minting Application

Jalandhar, Punjab

Team Lead

Completed, April 2023 – March 2023

- Minting app was built using the Verbwire API. The app lets you mint an NFT from a simple image file, or metadata file
- **Approach:** Created using JSON, HTML and Node.js mainly
- **Complexity:** • up of the required Environment (getting API key, setting up testnet on MetaMask etc.)
 - Compatibility issues between the API and Json, HTML and node.js
- **Current State:** As of today, the application runs on a testnet and is capable of running on real-time servers using necessary approaches on Verbwire and using Ethereum.
- **Future Plans:** none

Reddit Universal Banhammer

Hyderabad, Telangana

Solo developer

Completed, Dec 2023 – February 2023

- It bans users from a subreddit whose ids are also present on the UniversalScammerList.
- **Approach:** Built using JavaScript, Snoowrap.
- **Complexity:** • Usage and selection of the right API.
 - API integration and writing down the index.js.
- **Current State:** Currently, the application's runs on Snoowrap API and is capable of banning user from specific subreddits, whose Ids match to that of, present in the UniversalScammerList.
- **Future Plans:** To build an app for the same using flutter, dart and firebase so that the process of banning becomes much simpler.

EDUCATION

Lovely Professional University

B. Tech in Computer Science

Jalandhar, Punjab

Expected Graduation, September 2026

- **Concentrations:** *Data-Science and Machine Learning*
- **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Combinatorics, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

Glendale International School

Intermediate

Hyderabad, Telangana

Graduated, June 2022

- **Concentrations:** *Math, Physics, Chemistry*

Rockwell International School

Matriculate

Hyderabad, Telangana

Graduated, March 2020

LANGUAGES

- English: Native
- Hindi: Native
- Punjabi: Limited Working Proficiency

ACHIEVEMENTS

- Led team to Second Place in Web 3.0 Hackathon
April 2023 **Jalandhar, Punjab**
- Led team to Second place in Xe-fest innovate Hackathon
October 2023 **Jalandhar, Punjab**

EXTRA-CURRICULAR

- GDSC – Student Member
October 2023 – present day **Jalandhar, Punjab**
- Literary Society – Student Member
January 2023 – present day **Jalandhar, Punjab**
- Attended several seminars organized on campus on topics including Blockchain Tech, Gen AI, Cloud Computing by people like Prafull Billore, Aman Gupta, Hisashi Takeuchi and many more.