

# PRANSHUL THAKUR

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## SKILLS

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**Programming:** Python, JavaScript, HTML/CSS, SQL, MongoDB, Matplotlib, NumPy, Pandas, Seaborn, Docker Basic Data Structures, Dynamic Programming

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

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

**Others:** Statistics, Linear Algebra, Web Development

## PROJECTS

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### 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, March 2023 – April 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 2024*

- 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

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### 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

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

## ACHIEVEMENTS

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- 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

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- 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.