

SHRIDHAR SHARMA

Bengaluru, Karnataka

+91-8000877380

shridhar2602@gmail.com

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EDUCATION

International Institute of Information Technology, Bangalore

Nov. 2020 – Present

Integrated M.Tech in Computer Science and Engineering - CGPA - 3.52/4

Bengaluru, Karnataka

COURSEWORK / SKILLS

- Machine Learning
- Recommendation Systems
- Database Management Systems
- Operating Systems
- Discrete Mathematics
- Computer Architecture
- Maths for Machine Learning
- Data Structures & Algorithms
- Computer Graphics
- Programming in C++ and Java
- Software Engineering
- Automata Theory
- Visual Recognition
- Design & Analysis of Algorithms
- Programming Languages
- Programming in C and Python
- Privacy in Digital Age
- Geographic Information Systems

PROJECTS

> Why So Harsh? [↗](#)

Dec. 2022

- Multilabel Classification of comments into categories like "harsh", "vulgar", "targeted hate" etc.
- Used models and techniques like Logistic Regression, Classifier Chains, Ridge Classifier, Random Forest, XGBoost, Voting Ensemble Classifier, AdaBoost, EasyEnsemble, GridSearchCV, TF-IDF.

Natural Language Processing (NLP)

sklearn

Pandas

> Jobbot [↗](#)

Feb. 2022

- Creates resume from LinkedIn and automates Job Application.
- Uses Selenium to scrape User's LinkedIn profile data, which is used to create a resume using Matplotlib
- Applies to various well-known job recruitment websites by auto-filling user details, thus automating the process.

Python

Selenium

BeautifulSoup

Matplotlib

tkinter

> Cuphead Clone [↗](#)

Jan. 2022

- Recreated popular platforming game Cuphead using SDL library.
- Implemented concepts like Bullet Collision, Animating Sprites and VSync, Leaderboard, Capping Frame Rate, Infinite Moving Background etc.

C++ , SDL (Simple DirectMedia Layer 2.0)

> TIFF to Uncompressed GIF Converter [↗](#)

March 2021

- Tool to convert TIFF (colored) images to GIF (uncompressed)
- Reads header data and pixel information from source image, converts it to destination format and populates destination image's data structures

C

Data Structures

> Interactive Simulations [↗](#)

Feb. 2021

- A Physics Simulator based on Canvas. Simulates Convex Lens and Cool Symmetrical Patterns
- [Live site here](#)

JavaScript

Canvas

HTML

TECHNICAL SKILLS

> Languages : C • C++ • Python • Java • JavaScript • OCaml • MySQL • GLSL

> Technologies/Frameworks : Linux • Git • PyTorch • Pandas • Matplotlib • WebGL • ThreeJS • QGIS

• Bootstrap • HTML & CSS • L^AT_EX

HONOURS & AWARDS

> ByteSynergy Hackathon 2022 - Winner [↗](#)

Feb. 2022

- Achieved 1st Position in Task Automation Track.