

Prathak Garg

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EDUCATION

- Indian Institute of Information Technology, Vadodara** Gujarat, India
 - Bachelor of Technology - Computer Science and Engineering; GPA: 8.03* *December 2020 - Present*
 - Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Information Retrieval, Networking, Databases*

SKILLS

- Languages:** Python, C++, C, C#, JavaScript, SQL
- Frameworks:** Scikit, NLTK, PyTorch, Django, React
- Platforms:** Windows, Linux, Unity, Web
- Soft Skills:** Event Management, Leadership, Emotional Intelligence, Writing

EXPERIENCE

- Internship at IIIT Hyderabad (AI/ML)** Onsite
 - Student Developer* *May 2022 - Jul 2022*
 - Made a platform for data scientists containing various kinds of datasets with real data from fields like medicine, surveys etc. Moreover, the application created a testing environment where the user can upload their own datasets or use one from our database and test their developed models on them.
 - Formulation:** Worked in a team to narrow down the scope of the project and structure a pipeline for the same. The included deciding the users for the project, what data would be required along with how it will be processed and finally utilized.
 - Execution and Benchmarking:** Deployed and tested a demo website. This included a few datasets and the ability to download them after authentication. A new feature implemented was the ability for the user to test their models with our pre-trained models for benchmarking.
 - Download Manager:** Implemented a multithreaded download manager built into the site for downloading datasets which could extend to sizes of 100s of GBs. This solved the issue of limited server speed for downloading which was making it virtually impossible to use the datasets locally

PROJECTS

- iYojna - 2022:** An android app which provides consumers with comprehensive information about government schemes and the ones best applicable to their needs. This app also features an NLP-based chat bot to get quicker access to data.
Tech: Django REST Framework, Flutter, Next.js, Tensorflow
- Administrator - Multipurpose administration bot - 2021:** Website and Bot to remotely supervise and manage our servers showing detailed view of ram usage, data usage accompanied by a remote console to send commands.
Tech: Python, Django, Linux, Selenium, Discord.py
- Chegg Scraper - 2021:** Web Scraper to collect answers from specific links and compile them into a PDF. This was later integrated into a discord bot.
Tech: Python, Django, BeautifulSoup, Discord.py, MongoDB
- Remix Bot - 2021:** Discord bot to stream music in a voice chat. Includes basic controls and uses APIs from Spotify and Youtube scraping.
Tech: Python, Discord.py, Spotify API

POSITION OF RESPONSIBILITY

- Capture the Flag** Online
 - Organizer* *Mar 2022*
- Competitive Programming** Online
 - Organizer* *Dec 2021*
 - Preparation:** Made questions for the event and tested and managed other questions
 - Organization:** Distributed and supervised work among the 10-member team

ACHIEVEMENTS

- Won first place of Electrothon 4.0 (NIT Hamirpur) - April, 2022
- Won second place in Devhack 3.0 (IIT Dharwad) - April, 2022
- Won first place in regional Indian Robotics Olympiad and represented state for nationals - 2017
- Completed Google's Machine Learning Crash Course, learning production level concepts and practices of ML - 2021