



Pranav Gupta

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DOB: September 15, 2004

Address: B-256, DLF Capital Greens, Moti Nagar Delhi

[Portfolio](#)

Education

Indraprastha Institute of Information Technology

BTech (CSE)
2022 – Present

CGPA: 8.55
(till 4th Semester)

Rukmini Devi Public School, Delhi

CBSE(XII)
2020– 2022

Percentage: 96.2%

Rukmini Devi Public School, Delhi

CBSE(X)
2018– 2020

Percentage: 92.8%

Skills

Expertise Area

Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Algorithm Design and Analysis, Machine Learning, Flask

Programming Language

C/C++, Python, Java, SQL, Html, CSS, C#

Tools and Technologies

Google Collab, GitHub, Git, Latex, Unity, Linux, Vim, Google Keep, VSC

Technical Electives

Theory of Computation, Statistical Machine Learning, Multivariate Calculus, Ode and Pde, Linear Algebra, Advance Programming, Operating Systems, Computer Organization, Analysis and design of algorithms, DSA

Work Experience

Gen IR with NLP

Guide: Dr. Debasis Ganguly (**University of Glasgow**)

2024(May - Present)
Team Size-2

Tokenizing the documents using **Hugging Face** and **YTTM** tokenizers and then seeing how it affects retrieval measures for different parameters like **stemming and stop words** for the **BM25** baseline model.

Projects

Predictive Maintenance

Guide: A.V Subramanyam

2024(Jan - Apr)

Team Size-2

A **predictor** which predicts all types of failure a machine could undergo given conditions using **regression, boosting, bagging, neural networks**.

Stick Hero Game

Guide: Raghava Mutharaju

2024(Jan - Apr)

Team Size-2

Stick Hero game made in **Java** using **OOPs** which allows the player to extend the stick to reach the next platform, collect cherries and use them to buy skins and revives.

Custom Unix Shell

Guide: Vivek Kumar

2023(Aug - Dec)

Team Size-2

A simple shell made in **C language** which executes **Linux** predefined commands, does **piping**, takes user defined tasks in form of executables, execute and schedule them according to **round robin scheduling**.

Online MegaStore

Guide: Vikram Goel

2024(Jan - Apr)

Team Size-3

An online store made using **SQL, Html, CSS, Flask, Python** which have features like account creation, deletion. It has a cart and subscription functionalities to help in placing orders.

Awards

- [Google CompletionBadge, Large Language Model](#)
- [Google Completion Badge, Generative AI](#)
- [Google Completion Badge, Attention Mechanism](#)

Interests and Hobbies

- Basketball
- Badminton
- Sudoku

Declaration: The above information is correct to the best of my knowledge.

Pranav

Date: 3 July, 2024