



Yatin Mehta

Roll No.:2020UCA1885

B.Tech - Computer Science and Engineering

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B. Tech.	Netaji Subhas University of Technology, New Delhi	7.63 (Current)	2020 - Present
Senior Secondary	Sumermal Jain Public School, CBSE Board	82%	2019 - 20

EXPERIENCE

- **Vertex Technic** May 2023 - July 2023
Data Analyst Intern
 - Vertex Technic- Expertise in proven aviation experience and equipped to perform maintenance and assembly of various aircrafts.
 - Analyzed inventory management, repair process, and warehouse operations data, identifying inefficiencies and areas for improvement. Leveraged R-lang and Python for data cleaning, transformation, and manipulation, driving data-driven decision-making processes.
 - Technology Used- R-language, Python

PUBLICATION

- **3rd IEEE International Conference On Innovation In Technology | Co-Author** Aug 2023 - Jan 2024
Hybrid Perceptual Structural and Pixelwise Residual Loss Function based Image Super-Resolution <http://inoconf.org/>
 - Proposed a novel approach to Single Image Super-Resolution (SISR) utilizing a Hybrid Perceptual Structural and Pixel-wise Residual (HyPSPR) loss function. This method combines the Perceptual Structural (PS) factor to enhance structural information with the Pixel-wise Residual (PR) factor for improved pixel-level detail. Additionally, our model includes a denoising and sharpening block to minimize noise, resulting in brighter, clearer images compared to traditional methods.

PROJECTS

- **CinePrime** 2022 - 2023
Group Project
 - Collaborated with a cross-functional team of 3 to create a cutting-edge video streaming app. Leveraged React.js for a visually stunning frontend, MongoDB for efficient data management, and Firebase for secure video storage. Implemented advanced technologies like Redux Toolkit and JWT for enhanced user authentication.
 - Tech Stack – HTML/CSS, JavaScript, React, MongoDB, Redux
- **Sorting Visualiser** 2021 - 2022
Personal Project
 - Developed an interactive web application showcasing the step-by-step inner workings of popular sorting algorithms including Bubble sort, Selection sort, Insertion sort, Merge sort, Quick sort, and Heap sort
 - Tech stack-HTML, CSS, JavaScript

TECHNICAL SKILLS

- **Programming:** C , C++, Python*
- **Technologies:** HTML, CSS, JavaScript, React
- **Key Courses:** Data Structures and Algorithm, Operating System, DBMS, Object Oriented Programming
- **Miscellaneous:** MySQL, R* * Elementary proficiency

POSITIONS OF RESPONSIBILITY

- **Director**, Venatus NSUT 2022 - Present
- **Academic Head**, IGTS NSUT 2022 - Present
- **Vice Head Boy**, SMJPS Jankapuri 2019 - 2020

ACHIEVEMENTS

- **AIR 278**, Secured 278 rank in the CN Founders Invitation Challenge 2023. 2023
- **Expert at LeetCode**, Solved 900+ Dsa questions on LeetCode and Gfg 2023
- **Qualified JEE Mains and Advanced**, Secured 98.58 percentile in JEE Mains 2020. 2020
- **Black belt**, 1st Dan in Karate and also Sub-Junior National Gold Medalist in KickBoxing 2019