



Bitthal Bhai Patel
M.Tech in Computer Technology
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LinkedIn Profile

EDUCATION

- **Indian Institute of Technology, Delhi** 2023-2025
M.Tech in Computer Technology
- **IERT, Prayagraj** 2019-2023
B.Tech in Computer Science And Engg. CGPA/Percentage: 8.59
- **Kendriya Vidyalaya B.H.U** 2018
Senior Secondary, CBSE CGPA/Percentage: 91.6
- **Kendriya Vidyalaya B.H.U** 2016
Secondary, CBSE CGPA/Percentage: 9.2

PERSONAL PROJECTS

- **Adding system calls, implementing interprocess communication and distributed algorithm in Xv6** Jan 2024
- **Growing Neural Network Training:** Nov 2023
 - Tools & technologies used: Jupyter.
 - Learned a small neural network that tries to classify samples correctly, and child nodes are added to correct for misclassified samples.
- **Neural Network Training:** Oct 2023
 - Tools & technologies used: Jupyter.
 - Created a dataset with at least 2500 samples, for training a neural network to recognize as face / non-face. Trained a neural network using different loss functions.
- **Implementation of a 5-stage RISC-processor:** Oct 2023
 - Tools & technologies used: logisim.
 - Implementation of a SimpleRisc processor with a 5-stage pipeline. It has been implemented in LogiSim.
- **Solve a set of linear equations using the Gaussian elimination method In RISC-V** Aug 2023
 - Tools & technologies used: RISC-V assembly language.
- **Face Recognition Based Attendance Marking System with Emotion Detection** May 2023
 - Tools & technologies used: opencv, pycharm, webcam.
 - Our system identify or verify a person's identity using their face as well as recording their facial expression such as happy, sad, neutral, etc in real-time And to mark the attendance of students with their expressions and predict whether they are attentive in class or not.

TECHNICAL SKILLS AND INTERESTS

Languages: C , C++ , Python
Cloud/Databases: SQL
Coursework: DBMS, Operating System, DSA

POSITIONS OF RESPONSIBILITY

- **Event Coordinator at IERT Cultural Fest**

ACHIEVEMENTS

- All India Rank 744 among 90k+ candidates in GATE CS 2023 exam and 4548 Rank in GATE 2022 CS.
- 3 Star Competitive Coder at Codechef