PRIYANSH DALSANIA

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EDUCATION

IIIT Hyderabad	*August 2016 - July 2020*
BTech, Computer Science & Engineering	Overall GPA: 7.28/10

Delhi Public School Harni	Graduated : *May 2016*
Class XII	Percentage : 94.4
Class X	Overall GPA: 10/10

TECHNICAL SKILLS

Languages	Python, C/C++, Javascript, HTML, Bash
Tools	LaTeX, Git
Frameworks	Flask, Django

PROJECTS

PhotoComplete ↗   *Python, Flask, JS*

· Built a Flask WebApp to restore damaged or edited images.
· Inpainting done using OpenCV's TELEA and Navier-Stokes algorithms.

AI bot for Extreme TicTacToe ↗   *Python*

· Worked in a team of 2 people and came up with a heuristic for Extreme TicTacToe (4x4x4x4).
· Uses iterative DFS along with alpha-beta pruning.

2D game with OpenGL ↗   *C++, OpenGL*

· Created a 2D single-player game using OpenGL.
· Modelled on real-world physics rules like restitution, gravity, friction, and magnetism.

Celebrity Face Classification ↗   *Python, NumPy*

· Built Linear GD, and Naive Bayes Classifiers, with PCA, from scratch for multi-class classification.
· Achieved 75% accuracy on test data, with randomly selected training set.

ACADEMIC ACHIEVEMENTS

Dean's List 2 (Top 10%) for Monsoon 2018 semester, and Merit List (Top 20%) for Spring 2019 semester.

Ranked in National Top 0.05% (of 1.2 million candidates) in JEE Mains 2016, and Top 5% (of 150,000 candidates) in JEE Advanced 2016.

Qualified for KVPY 2016 scholarship.

Qualified for Indian National Olympiads for Junior Science 2014, Physics 2015 & 2016, and Astronomy 2016 (Top 300/30,000 candidates each).

RELEVANT COURSES

Systems Courses	**Theory Courses**
Software Engineering	Data Structures & Algorithms
Computer Networks	Statistical Methods in AI
Database Systems	Topics in Optimization on Manifolds
Distributed Systems	Principles of Information Security
Operating Systems	Parallel & Scientific Computing

TEACHING ASSISTANT

Designed and evaluated assignments, graded exams, conducted tutorials of

Discrete Structures *August 2018 - December 2018*

· Logic, Proofs, Set theory, Number Theory, Graph Theory.

Complexity and Advanced Algorithms *August 2019 - December 2019*

· Complexity theory, Parallel algorithms and Randomized algorithms.

EXTRA-CURRICULAR ACTIVITIES

Represented College Table Tennis Team at Inter College Sports Meet, 2019.

Volunteered to teach Linear Algebra at Help Cell, a college body to help underperforming 1st year students, 2019.