

VATSALYA KUMAR MISHRA

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EDUCATION

B. TECH (Computer Engineering)	2021-2025	Delhi Technological University, New Delhi	8.49 CGPA
AISSCE/CBSE (Class XII)	2020	Army Public School – Dhaula Kuan	96.8 %
AISCE/CBSE (Class X)	2018	Army Public School – Dhaula Kuan	96.4 %

ACADEMIC PROJECT

Just Java – Android App | [Link](#) | *Android SDK*

- Showcased the use of Intent feature and added Hindi translation

Amazon Clone – Website | [Link](#) | *HTML, CSS*

- Showcased the use of flexbox and made the UI look attractive

Placement Prediction – ML model | [Link](#) | *Logistic Regression*

- A predictive model that utilizes input features like IQ and CGPA to determine their likelihood of securing a placement

House Price Estimation – ML Model | [Link](#) | *Linear Regression*

- Designing a predictive model for house price estimation based on 13 input features specific to the house

Breast Cancer Prediction – ML Model | [Link](#) | *KNN algorithm*

- Creating a model to identify the likelihood of breast cancer in patients

MACHINE LEARNING KNOWLEDGE

- In depth knowledge of **Linear Regression** and **Logistic regression** algorithms used in supervised machine learning and how to minimize the *cost function* using **Gradient Descent** technique
- In depth knowledge of : **K-nearest neighbors (KNN)** algorithm – ([Link](#)) ; **Support Vector (SVM)** algorithm - ([Link](#))
- Basic geometric intuition of : **Decision Trees** algorithm ; **Gradient Boost** algorithm - ([Link](#)) ; **XgBoost** algorithm ; **Principal Component Analysis (PCA)** algorithm – ([Link](#)) ; **Naive Bayes** algorithm ([Link](#)) ; **Random Forest** algorithm ; **AdaBoost** algorithm ; **K-means Clustering** algorithm ; **Hierarchical Clustering** algorithm ; **DBSCAN** algorithm

ACADEMIC ACHIEVEMENTS AND AWARDS

- Solved 150+ DSA problems on Leetcode
- Have a GFG coding score of 170+
- Overall Science Stream Topper with 96.8%, year 2020
- Qualified the NDA exam and was selected for the SSB interview, year 2020

TECHNICAL SKILLS

C++, HTML, CSS, JavaScript, Python Bootstrap, Android	Numpy, Pandas, Scikit-learn, Matplotlib, Data Pre-processing, Feature Extraction	VSCode, SQL, MS Office
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POSITIONS OF RESPONSIBILITY

- Head Boy and Student Co-Ordinator of APS-DK for the years 2020 and 2018 respectively
 - Role - Leading by example, representing the student council, organizing school events, mentoring young students and supporting school traditions
- School Representative in the LEAD ON event at Tagore International School in 2019
 - Role – To show full dedication and commitment in leadership activities, situational team challenges and networking games

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Won the Nishit Saran's Luminary of the Year award at APS-DK in 2019
- Won the National/Command/Cluster level AWES Quizzes held at APS Jaipur/APS Kandrori/APS-DC in 2019
- Silver medal in 14th Delhi State Kickboxing Championship and qualified for Nationals in 2017
- Won Gold/Silver/Bronze medals in SOF-organized IGKO, IMO and NCO Olympiads in 2017, 2014 and 2015

OTHER INFORMATION

- [LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [GeeksForGeeks](#)