

ACADEMIC QUALIFICATIONS

Year	Degree/Examination	Board/University	%/CGPA
2023	B. Tech Computer Science and Engineering	IIT Jammu	9.53
2019	Class XII	MGN Public School	95.2%
2017	Class X	MGN Public School	10.00

ACADEMIC ACHIEVEMENTS AND SKILLS

Olympiads	<ul style="list-style-type: none"> ▪ Recipient of NTSE Scholarship 2016-17 awarded to top 1000 students among 9 lakh candidates. ▪ Recipient of KVPY Fellowship 2018-19
Inter IIT Tech Meet 9.0	<ul style="list-style-type: none"> ▪ Silver Medallist and Team Leader, TPF and Kaching's Case Study Competition.
Skills	<ul style="list-style-type: none"> ▪ Languages: C, C++ 17, Python3, SML ▪ Data Science: Deep Learning and Artificial Neural Networks, Convolutional Neural Networks, Computer Vision, Bayesian Neural Networks, Recurrent Neural Networks and related Time-Series Prediction, Markov-Chain Monte-Carlo Methods in Machine Learning, Machine Learning, ▪ Misc.: HTML5, CSS3, JavaScript ▪ Frameworks: Tensorflow2.0, Pytorch, Keras, Django ▪ Tools: <ul style="list-style-type: none"> ▪ MATLAB, Octave ▪ OS: Ubuntu, Kali, Windows ▪ Databases: MongoDB ▪ VCS: Git, GitHub
JEE	<ul style="list-style-type: none"> • JEE Advanced: All India Rank: 5180 • JEE Mains: All India Rank: 3747

PROJECTS

Drone Detection and Anti Drone System	<ul style="list-style-type: none"> ▪ (ongoing) Handling Computer Vision and Image Processing part of the project. ▪ Involves Detection, Identification and Tracking of UAV drones using RGB Cameras, Depth Cameras and Radar.
IEEE ICIP Spark Challenge	<ul style="list-style-type: none"> ▪ Detecting and classifying space satellites and space debris using RGB and Depth Images. ▪ <u>IEEE ICIP Spark Challenge</u>
Transparent Object Semantic Segmentation	<ul style="list-style-type: none"> ▪ Detecting and segmenting highly reflective or transparent objects. ▪ <u>RGB-D Based Highly Reflective and Transparent Objects Semantic Segmentation</u>
MailGen	<ul style="list-style-type: none"> ▪ A command-line-based application for a friend's business start-up to automate the process of logging into Gmail and sending emails to costumers ▪ APIs used -Google Drive API, Google Sheets API, SendGrid API
TPF's Case Study	<ul style="list-style-type: none"> ▪ Lead the team in Inter IIT Tech Meet 9.0, Silver Medal in the particular event. ▪ Proposed a solution to automate the process of cross-platform messaging and Pay-outs.
TicTacToe	<ul style="list-style-type: none"> ▪ A Terminal based single player and two player game
Virtual Education Platform	<ul style="list-style-type: none"> ▪ Virtual Education Platform for the college, to conduct online classes and examinations ▪ Integrate Zoom and Google Classroom using Zoom API and Google Classroom API

INTERNSHIPS AND PAPERS

Research Intern University of New South Wales	<ul style="list-style-type: none"> ▪ (ongoing) Research intern at UNSW ▪ Working on Bayesian Neural Networks to produce comparable results on benchmark datasets using proposed Parallel Tempering Markov-Chain Monte-Carlo methods along with RNNs and LSTMs. ▪ <u>GitHub Link for Project</u>
Verzeo	<ul style="list-style-type: none"> ▪ Machine Learning in Python Internship with Verzeo in collaboration with Microsoft. ▪ Project 1: Data Analysis ▪ Project 2: Price Prediction for second hand cars.

CERTIFICATIONS:

MOOCs	<ul style="list-style-type: none"> ▪ Neural Networks and Deep Learning (Certificate) ▪ Improving Deep Neural Networks: Hyperparameter tuning, Regularization, and Optimization. (Certificate) ▪ Computer Vision- Object Detection with OpenCV and Python (Certificate) ▪ Structuring Machine Learning Projects (Certificate) ▪ Data Analysis with Python (Certificate) ▪ Machine Learning in Python(Internship)(Course certificate) ▪ HTML7 (Certificate) and CSS3 (Certificate)
-------	---

POSITIONS OF RESPONSIBILITY

ARTIHC	▪ Social Media and Content Management Head, Artihc, IIT Jammu
TnP Cell	▪ Student Representative, Training and Placement Cell, IIT Jammu
Inter IIT Tech Meet 9.0	▪ Team Leader, Case Study Event
Inter IIT Cultural Meet 4.0	▪ Represented IIT Jammu's contingent in Still Life Sketching and Costume Design Event
Student Mentorship Program	▪ Mentor to three students from freshmen year under Student Mentorship Program