

# Yashasvi Baweja

---

CONTACT	C-283, Sarita Vihar, New Delhi, India · <a href="https://github.com/yashasvi97">yashasvi97.github.io</a> · <a href="mailto:yashasvi15116@iiitd.ac.in">yashasvi15116@iiitd.ac.in</a>
INTERESTS	Computer Vision, Biometrics, Pattern Recognition, Artificial Intelligence & Internet of Things
EDUCATION	<b>Indraprastha Institute of Information Technology, Delhi</b> (IIIT-Delhi) Bachelors of Technology, Computer Science (2015 - 2019) CGPA: 8.27/10.0  <b>Gyan Bharati School, New Delhi</b> Senior School (2013 - 2015) Score: 95%
WORK EXPERIENCE	<b>IIIT-Delhi</b> <i>Undergraduate researcher</i> , <a href="#">IAB Lab</a> , May'17 - Present Advisers: <a href="#">Dr. Richa Singh</a> and <a href="#">Dr. Mayank Vatsa</a> Currently working on an extension of the famous Triplet Loss to incorporate heterogenous face recognition using metric learning. Working with images from different domains like VIS-NIR or high-low resolution image pairs.  <b>Indian Institute of Technology, Mandi</b> <i>Summer Research Intern</i> , May'17 - July'17 Adviser: <a href="#">Dr. Varun Dutt</a> Made landslide prediction models for Mandi-Manali route by applying machine learning algorithms. Used data pre-processing techniques like random oversampling and SMOTE to reduce the problem of class imbalance. Developed an Arduino based real time landslide monitoring weather station which is currently in deployment.  <b>VlinkInfo Pvt. Ltd., Gurugram</b> <i>Summer Intern</i> , June'16 - July'16 Worked on revamping the online human resource management platform using tools like PHP, Codeigniter and MySQL.
PROJECTS	· <a href="#">Smart Glasses</a> - A reading tool for the visually impaired made using OpenCV and Tesseract-OCR. Got selected in top 10 course projects and also got featured in Delhi-Mini Maker Faire. · <a href="#">Periocular Recognition</a> - A recognition system for the periocular region made using features like Local Binary Patterns, Histogram of Oriented Gradients & Scale Invariant Feature Transform. · <a href="#">Multi-Heuristic A* (MHA*)</a> - A comparison of the performances of search algorithms - MHA* and A* on various use cases. Code at <a href="#">Github</a> .  <i>All projects at <a href="https://github.com/yashasvi97/projects.html">yashasvi97.github.io/projects.html</a>.</i>
SOFTWARE SKILLS	TensorFlow, PyTorch, OpenCV, MATLAB, scikit-learn, Arduino, L <sup>A</sup> T <sub>E</sub> X, Git, Linux Python, C, C++, Java
PUBLICATIONS	<i>A Comparison of Class Imbalance Techniques for Real-World Landslide Predictions</i> ; Kapil Agrawal, <b>Yashasvi Baweja</b> , Deepti Dwivedi, Ritwik Saha, Prabhakar Prasad, Shubham Agarwal, Sunil Kapoor, Pratik Chaturvedi, Naresh Mali, Venkata Uday Kala and Varun Dutt. <i>Presented the work at International Conference on Machine Learning and Data Science - December 2017</i>
AWARDS & RECOGNITION	· Got recognition letter from <a href="#">MHRD</a> for overall performance in class XII examinations · Manav Sthali Maths Olympiad - Bronze Medal
EXTRA-CURRICULAR	<i>Tennis Coordinator</i> for the year (2017-2018) and member of the Sports Council. <i>Public Relations &amp; Infrastructure Head</i> , Building Better Villages, techfest <a href="#">Esys'16</a> <i>Class Representative</i> for Btech'15 and also a member of the Student Senate (2015-2016)