

Mohit Jain

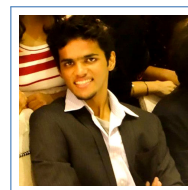
ResearchScholar @ IIIT-H

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Education

- 2016–Present **M.S.(by research) in Computer Science**, *International Institute of Information Technology Hyderabad*, Hyderabad, Major in ML & CV.
- 2012–2016 **B.Tech in Computer Science**, *International Institute of Information Technology Hyderabad*, Hyderabad, 8.41 CGPA.
- 2010–2012 **Senior Secondary**, *Aklank Public School*, Kota, 89.8%.
- 2004–2010 **Secondary**, *Navrachana*, Vadodara, 9.4 CGPA.

Masters Thesis

- title *M.S. (by research) in Computer Science*
- supervisor [Dr. C.V. Jawahar](#)
- abstract Carrying out my research under the Centre for Visual Information Technology Lab (CVIT) at IIIT-H. Currently working on using deep learning techniques for scene-text analysis in videos.

Experience

- 2015–Present **Web Administrator**, *IIIT-H*, Hyderabad.
Job requires developing, maintaining and moderating various online-portals and databases in-use at IIIT Hyderabad.
- 2015–2016 **Research Intern**, *Virginia Tech*, Blacksburg, USA.
Worked on making Convolutional Neural Networks robust against adversarial perturbations under the guidance of Prof. Dhruv Batra (VT) and Prof. CV Jawahar (IIIT-H).
- Summer 2015 **Summer of Code**, *CloudCV*, Blacksburg, USA.
Work related to the creation of cloud based servers capable of carrying out computation intensive machine learning tasks with a very user friendly GUI. View more at : [CloudCV](#)
- Spring 2015 **Undergraduate Teaching Assistant**, *IIIT-H*, Hyderabad.
- & Fall 2014 TA for the course Computer Networks (Spring'15) and IT-Workshop-I (Fall'14). Job requires teaching students via tutorial sessions and grading course work/exams.
- Fall of 2014 **Software Developer Intern**, *NeonArc Tech*, Hyderabad, (Augmented Reality).
Job requires building (from scratch) a web-based application to overlay clothing on human body and another application to augment post-surgical effects on human face in real-time.

Skill Set

Platforms	Mac OSX(expert), Linux(expert), Windows(novice)	Web-Tech's	Web2py(expert), Flask(expert), Django(proficient) HTML5+JS+CSS3(expert)
Programming Languages	C(expert), C++(proficient),	Packages	Torch, Theano, SciPy, OpenCV, MATLAB
Scripting Languages	Python(expert), Lua(expert), Bash(proficient)	Editors	Vim (expert), Emacs(novice), Sublime(expert)

Projects

- Aug'14– **Likhawat**, CVIT – IIIT Hyderabad, Hyderabad.
- Feb'15 A web-application which allows for segmentation on handwritten documents based on words and then provide a content-level analysis and match of the images using DistanceTime-Warping techniques and image processing.
Poster Presentation : [here!](#) Codebase : [Likhawat](#)
- Jan'14 **LookOut**, MIT Media Labs, Mumbai.
An android application that uses the phone's mic to keep a check on the ambient noise levels and uses real-time signal processing to alert via vibration/notification-sound in case of any alarming situation. Built with the idea of easing everyday life for hearing impaired.
More info : [here!](#) Codebase : [LookOut - Beta](#)
- Oct–Nov'14 **Handwritten Digit Recognition System**, Course Project, Hyderabad.
A decision tree based handwritten recognition system built incorporating mathematical morphology. The system extracts features like stems and blobs using image processing techniques and then the image is subject to a decision tree returning the final answer.
More info : [here!](#) Codebase : [Digit Recognition System](#)
- Sept-Oct'13 **Linux Terminal Implementation**, Course Project, Hyderabad.
My implementation of the Linux-Shell Terminal in C. Supports all system commands with arguments, background processes, pipeline operator and some other user defined commands.
Codebase : [Terminal](#)

Course Undertaken

- ECE449 Artificial Neural Networks – CSE441 Database Systems – CSE565 Cloud Computing
- CSE577 Machine Learning – CSE578 Computer Vision – CSE481 Optimization Methods
- CSE478 Digital Image Processing – CSE471 S.M. in AI – CSE371 Artificial Intelligence
- IEC239 Digital Signal Analysis – ICS211 Algorithms – IMA201 Calculas & Complex Numbers

Achievements & Interests

- IIIT-H Received the Dean's Merit List Award for the 1st, 2nd & 4th year for being in the top 10% students of the batch.
- IIT-JEE Secured an AIR 4456 in the IIT-JEE'12 examination among 500,000 students.
- AIEEE Secured an AIR 2164 in the AIEEE'12 examination among 1.2 million students.
- Music Lead guitarist and singer for my college band - [The Way Out](#). Music Club Coordinator
- Sports Sports Captain (Vayu House) 2014-15. Play for the Football and Badminton College Team.