

Mayank Juneja

Education

- 2007–present **B.Tech.(Hons) + MS by Research in Computer Science and Engineering**, *International Institute of Information Technology*, Hyderabad, CGPA : 9.2.
- 2006–07 **Senior Secondary**, *S.D.V.M.*, Panipat, (C.B.S.E.).
Percentage: 90.2%
- 2004–05 **Secondary**, *Delhi Public School*, Panipat Refinery, (C.B.S.E.).
Percentage: 95.6%

Areas of Interest

- Computer Vision, Machine Learning
- Linux Administration and Hacking
- Web Development

Experience

- Oct, **Student Sysadmin**, *IIIT-Hyderabad*.
- 2009–present I am responsible for administration of different servers at university (like e-mail server, proxy server). I also manage a computing cluster at my research lab.
- Aug, **Part time developer**, *Crypsis Technologies*.
- 2011–Dec, I worked as a web developer (Ruby on Rails) and hacking Android SDK.
2012
- May, **Student Developer**, *Google Summer of Code, 2012*.
- 2012–Aug, I worked with Sysers organisation. Sysers maintains a custom version of GNU Mailman that allows for
2012 features like dynamic sublists. My project was about automating various steps in the release management cycle, including patch creation for new releases, testing.
- May–July, **Visiting Student**, *Visual Geometry Group(VGG)*, University of Oxford.
2010,2011
- Monsoon, **Teaching Assistant for Computer Programming Course**, *IIIT-Hyderabad*.
2009 I was involved in conducting labs, tutorials, preparing assignments and grading exams.

Achievements

- Included in **Dean's Merit List** for Academic Excellence for 7 semesters.
- 1st rank (Team SysAdmins) in **InCTF, 2011** (India's National Level Ethical Hacking Contest)
- 1st rank in Break In If You Can, 2011 and 2012 (Online Hacking Contest) conducted by IIIT-Hyderabad.
- 3rd rank in Hacked, 2010 (Online Hacking Contest) conducted by IIT-Kharagpur.
- 2nd rank in ColdFire, 2009 (Online Hacking Contest) conducted by IIIT-Allahabad.
- 7th rank in IOHC, 2009 (International Online Hacking Contest) conducted by IIT-Kanpur.
- 3rd rank in Quick And The Dead (Programming Contest) held during Felicity, 2009 at IIIT-Hyderabad.

Publications

- Mayank Juneja, Siddhartha Chandra, Omkar Parkhi, C.V. Jawahar
Andrea Vedaldi, Marcin Marszalek, Andrew Zisserman
Oxford/IIIT - Notebook Paper 2010, *In Proceedings of the TREC Video Retrieval (TRECVID) Workshop organized by NIST, Gaithersburg, USA Nov. 2010.*

Courses Taken

Advanced Courses Digital Image Processing, Computer Vision, Machine Learning, Pattern Recognition
Computer Programming, Algorithms, Data Structures, Database Management Systems, Artificial Intelligence, Operating Systems, Systems and Network Security

Major Projects

- **Scene Classification in Images**
(Dr. Andrea Vedaldi, Prof. Andrew Zisserman, Prof. C.V. Jawahar)
The goal is to develop simple and better models for scene recognition in images. Examples of scenes include movie-theater, airport, library, auditorium. The state of art techniques in feature extraction, classification and detection methods are integrated to provide a vision only approach for semantic concept retrieval in images.
- **Building a Text Based Image Search Engine and cluster news videos**
(Prof. C.V. Jawahar)
The project was done as a part of the B.Tech Honours Project. The aim of the project is to encode the images into text and then use a standard text search engine to index the encoded data and retrieve results. The system is used to cluster news videos on the basis of visual similarity. In the end, the user will be able to see news clippings along with the similar news (broadcasted on other news channels).
- **Oracle Grid Engine - Configuration and Deployment** (Saurabh Barjatiya)
The project involved studying configuration and deployment of Oracle Grid Engine. At the end, a cluster was deployed at the institute using 120 machines.

Minor Projects

- **Easy Survey (IT Workshop Course Project)**
Web based-survey authoring and reporting toolkit.
- **Linux Shell (Operating Systems Course)**
Simulated the Linux Shell with basic commands.

Skillset

Operating System	GNU/Linux, Windows
Programming Languages	C, C++, Python
Web Technologies	HTML, CSS, Javascript, Ruby on Rails, PHP
Server Administration	Zimbra, Apache, Mailman, squid
Other	MATLAB, Lucene, L ^A T _E X, git, vim

Miscellaneous

I love Hacking, solving Sudoku, playing cricket and playing guitar.

I hereby declare that the above information is true to the best of my knowledge.