

Moneish Kumar

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Education

International Institute of Information Technology <i>Bachelor of Technology and Master of Science</i> Electronics and Communication Engineering. CGPA 8.3/10 (after 6 semesters) Currently a research student at Center for Visual Information Technology (CVIT), IIIT, Hyderabad.	Hyderabad, INDIA 2013–present
Narayana Junior College <i>Class XII, 96%</i>	Hyderabad, INDIA 2012–2013
Kendriya Vidyalaya Picket <i>Class X, CGPA 10</i>	Hyderabad, INDIA 2010–2011

Work Experience

International Institute of Information Technology <i>Teaching Assistant</i> Teaching Assistant for Basic Electronics Circuits course at IIIT-H for Spring'16 semester.	Hyderabad, INDIA 2016–2016
International Institute of Information Technology <i>Teaching Assistant</i> Teaching Assistant for Mathematics I course at IIIT-H for Monsoon'15 semester.	Hyderabad, INDIA 2015–2015

Academic Achievements

- Dean's list Awardee(2013-2014), IIIT, Hyderabad, given to top 10% of the batch.
- Secured a percentile of 97.72 in JEE-Mains.
- Secured All India Rank 7203 in JEE-Advance

Projects

Intelligent Editing <i>Honours Project</i> The main aim of the project it to develop a system that automatically detects the best shot to show at a given point in time for a video to enhance the viewing experience for the video. Project Instructors: <ul style="list-style-type: none">○ Dr. Vineet Gandhi	2016-present
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Split Screen Automation

Honours Project

2015-2016

The project aims to ease the process of recording a live performance by replacing the plural cameras with one high resolution static camera and generate desired shots based on performers tracks, these shots are then optimised to depict smooth camera motion and a overall better viewing experience.

Project Instructors:

- Dr. Vineet Gandhi

Sports Video Analysis

Digital Image Processing

2015

Developed a system to extract key features from a soccer video. Soccer field, individual players, and ball are detected and tracked in each frame.

Project Instructors:

- Dr. Vineet Gandhi

Age, Gender, Ethnicity and Mood Estimation

Statistical Methods in AI

2015

Developed a system to detect human faces in real time videos and after detecting a face identifying the gender, ethnicity, age and mood.

Project Instructors:

- Dr. Avinash Sharma

Locating cyclone shelters

Disaster Management

2015

Developed a system which locates shelters for a region taking into consideration it's population, road network, proximity to water bodies etc.

Project Instructors:

- Dr. Neelima Satyam

Skills

- Programming Skills - C/C++, Python, HTML/CSS, jQuery, Bash Scripting
- Operating Systems - Linux, Windows
- Software packages and Embedded Technologies - MATLAB, OpenCV, MS-Office, Latex/LYX, Multisim, Arduino

Relevant Courses Undertaken

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|--------------------------------|--------------------------------|
| ○ Computer Vision | ○ Statistical Methods in AI |
| ○ Artificial Neural Networks | ○ Digital Signal Processing |
| ○ Data Structures | ○ Computer Programming |
| ○ Digital Image Processing | ○ Digital Logic and Processors |
| ○ Computer System Organisation | ○ Embedded Hardware Design |