

# Ayush Goel

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## EDUCATION

### B.TECH IN INFORMATION TECHNOLOGY

MAY 2017 | IIIT-ALLAHABAD  
Cum. GPA:8.69

### INTERMEDIATE

2012 | ISC  
Percentage:92.83

### MATRICULATION

2010 | ICSE  
Percentage:88.86

## LINKS

LinkedIn:// ayush-goel-599480142

## COURSEWORK

### UNDERGRADUATE

DBMS  
Operating Systems  
Data Structure  
Algorithms  
Object Oriented Programming  
Image Processing

## SKILLS

- C • C++
- Java(basic)
- HTML(basic)
- CSS (basic)

## ACCOMPLISHMENTS

- Merit Incentive Award IIITA
- Professional Samsung
- Employee of the Month Samsung

## EXPERIENCE

### SAMSUNG | SOFTWARE ENGINEER

July 2017 – Present | Bangalore

- Worked on optimization of multiple image processing project like 2PD,FOD(Finger Print On Display),Bokeh,have proficiency in Multi- Threading, SIMD(Neon Programming, OpenCL, Halide(basic)), Image Processing concepts
- Worked on algorithm development of data compression project.Data is written in one time programmable memory which is expensive so data compression reduces the sensor cost.
- Worked on world's first 108 Mega Pixel image sensor, was responsible for handling the CModel of various ISP Blocks.

## PROJECTS

### CROP TRADING WITH PROFIT SHARING

In this project we developed a portal for crop trading between farmers and vendors and vendor to vendor.A tree based algorithm for Profit Sharing was also implemented to share profit at each level.  
Technologies Used:Java, HTML, CSS.

### MOUSE CONTROL USING HAND GESTURE

In this project we made an application to control mouse using combination of hand gesture as well as color detection using webcam of laptop.Basic gesture were implemented i.e left click,right click, scroll,mouse hover etc.  
Technologies Used: OpenCv, Xml.

### RECOMMENDER SYSTEM

In this project we developed a recommender based on collaborative filtering methods .Matrix factorization was used for collaborative filtering.  
Technologies Used: Python.

### HUMAN RESOURCE MANAGEMENT SYSTEM

Human Resource Database Management System creates software that stores and manages all the data needed to describe the personal and their framework within an organization.  
Technologies Used :JAVA, NetBeans IDE , MySQL.

## PUBLICATIONS

Ayush Goel,Puneet Pandey ,(2017),Occlusion Reduction and Disparity Refinement,ICIIP