

# ANKIT GUPTA

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## EDUCATION

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M.Tech in Computer Science Engineering, <b>IIIT Hyderabad</b> , CGPA: 7.67	Degree in progress
B.Tech in Information Technology, <b>College of Technology Pantnagar</b> , CGPA: 6.706	2011-2015
Senior Secondary Education, <b>Adarsh Bal Niketan, Roorkee</b> 78%	2009-2010
Secondary Education, <b>Adarsh Bal Niketan, Roorkee</b> 88.4%	2007-2008

## WORK EXPERIENCE

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### **Nucleus Software Exports Ltd, Noida**

Aug 2015 - May 2018

- Worked as Software Engineer.
- Our clients includes some of the banking sector giants like SBI, General Motors Finance, ICICI Bank and many more.
- Responsibilities includes product development and providing support to customer.

## PROJECTS

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### **Single Image Haze Removal Using Dark Channel Prior**

- I tried to remove Haze from a single source image using a very simple prior-'dark channel prior'.
- Libraries used : OpenCV, numpy.
- Language used : Python3.

### **A Better Malloc**

- Developed a dynamic memory allocation library that keeps track of all allocated blocks and allows user to partially free allocated blocks.
- Languages used is C++.

### **Peer to Peer file sharing System**

- In this project, I tried to make a Peer to Peer(P2P) File Sharing system in which a central tracker is used to maintain and coordinate communications between several clients. Clients can upload and download the files in chunks or pieces. Trackers and Clients are fully multi-threaded and support concurrent operations.
- Language used is C++.

### **POSIX compatible Linux Shell**

- Tried to make a custom Linux shell with all the mainstream functionalities like command execution, pipes, output/append redirection, aliasing etc. using POSIX system calls only.
- Technology used was C.

### **General Motors Delinquent Contract Management System**

- Support includes changes in interface or functionality, database issues, application load time issues and also adding new functionalities in the product, if possible.
- Worked on code optimization to increase performance.

## SKILLS

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**Development Languages:** C, C++, Python, HTML, CSS, JavaScript

**Technical Strengths:** Data Structure, Algorithms, Operating System

## ACHIEVEMENTS

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- Secured rank 2054 in Google kick start Round F, 2020 (Username : Shamroo)
- Secured 99.26 percentile in GATE CSE 2018.