

Tushar Gurjar

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The personal goals that I want to achieve as a student of the IIT KANPUR are in the education and career areas of my life. In my education, my major goal is to gain knowledge in computers and network administration, eventually culminating in a Bachelor of Technology in Computer Science. I also wish to strengthen my grammar and interpersonal skills. In my career, my goal is to either advance from my current career as a paralegal to that of an office manager or to enter into a different career as information technology department administrator. I will use staff and university services in order to achieve my goals in a reasonable time-frame with limited obstacles.

Education

Matriculation	Year	Institute/School	Percentage/CGPA
B.Tech	-	IIT Kanpur	8.9
12th	2015	SPJV	93.60 %
B.Tech	2013	SPJV	10

Course Details

Semester	Total Credits	Highlights
Aug 2016 - Dec 2016	50	ESC-101 , MTH-101 , ART-101A
Jan 2017 - Apr 2017	48	MTH-102 , PHY-102
Aug 2016 - Dec 2016	58	CS-201 , CS-202, CS-203

Skills

Computer Science : Algorithms, Operating systems, Machine learning

Programming languages : C, C++, Python, Java, Scripting languages (bash, awk)

Projects

1. Battleship Game AI using Reinforcement Learning

IIT Kanpur Programming Club

May 2017-July 2017

- The aim of the project was to make AI for battleship board game.
- Implemented two models- Monte Carlo and Temporal difference learning to build the agent.

2. Image Analysis using Machine Learning

IIT Kanpur Programming Club

May 2017-July 2017

- The aim of the project was to make a image analyser that can extract features like text from image.
- Implemented text detection using MSER technique, word formation using geometric constraints, character segmentation using connected components.
- Finally used Convolutional Neural Network for character recognition.

Awards and achievements

- All India Rank 759 in JEE Advanced 2016.
- Gold medal in essay competition.
- Gold medal in debate competition.

Hobbies and Interests

- Competitive Programming, Machine learning.
- Sports: Cricket, Volleyball
- Music: Piano, Flute, Classical