



Arik Pamnani
Electrical Engineering
IIT Gandhinagar
Email: arik.pamnani@iitgn.ac.in

15110032
Sophomore (B.Tech)
DOB: 28/10/1997
Phone: 9638982457

EDUCATION	B.Tech in Electrical Engineering (Sophomore) Indian Institute of Technology Gandhinagar, Gandhinagar, Gujarat, India. <ul style="list-style-type: none">CPI - 8.36/10 (at the end of 3rd semester) Intermediate (+2) - Rani Laxmi Bai School, Lucknow (CBSE India) - 97% High School - Rani Laxmi Bai School, Lucknow (CBSE India) - CGPA 10/10	2015 - Present 2013 - 2015 2011 - 2013
INTERNSHIPS	Summer Research Internship Programme - IIT Gandhinagar Topic: Person Re-Identification System (Matlab) Guides: Prof. Shanmuganathan Raman, Prof. Ravi Hegde <ul style="list-style-type: none">Studied and implemented algorithms to re-identify persons across different frames of a video. The program, written in matlab uses aggregate channel features and VGG-VD models to detect and re-identify person. Kalman Filter is used to track a person. Accuracy achieved was above 40%.	May, 2015 - June, 2015
PROJECTS	<ul style="list-style-type: none">Clipcross: Created (in a team of 2) a clipboard sharing desktop application. The application, written in python uses the local IP addresses of two computers to share any text or file across clipboards.Election Nomination Portal: Designed (in a team of 3) a nomination portal for candidates in an election. It is a web application based on Django (Python) and HTML comprising of three stages in which the candidate can fill his details and submit his signature and photograph.Image classification: Performed clustering and categorization of images based on Wordnet similarity and Image attributes. Images were used from the image-net database. My role was to automate testing (using bash scripts) and train the CNN in matlab.	
ACHIEVEMENTS	<ul style="list-style-type: none">Represented IIT Gandhinagar at ACM ICPC Onsite Regionals held at IIT Kharagpur, India after qualifying the online round. [December, 2016]Ranked 3459 in the JEE Advanced out of 1.5 lakh candidates and 1580 in JEE Mains out of 15 lakh candidates. [2015]Awarded by the Department of Science and Technology, Uttar Pradesh, India for securing the highest marks in Mathematics and Science across the state in the CBSE High school examination.Awarded a certificate of merit by the Central Board of Secondary Education, India for being amongst the top 0.1% in the CBSE 2015 board exams (Informatics Practices).Cleared National Talent Search Examination, Stage-1. [2013]Awarded Dean's List at IIT Gandhinagar for excellent academic performance twice. [2015, 2016]	
RELEVANT COURSES	<ul style="list-style-type: none">Computer Science - Data Structures, Algorithms for Data Science (Ongoing), Algorithm Analysis and Design (Ongoing), Introduction to Computer Networking (Short Course).Electrical - Network Theory, Electronic Devices, Introduction to Analog and Digital Electronics, Introduction to Electrical Systems.Mathematics - Real and Complex Analysis, Linear Algebra, Partial Differential Equations, Probability.	
TECHNICAL SKILLS	<ul style="list-style-type: none">Programming languages - Python, C, C++, BashOther coding skills and tools - HTML, CSS, JavascriptSoftwares and Tools - Git, Latex, MySQL, ArduinoOperating systems -Linux, Windows	

OTHER
ACTIVITIES

- Academic Tutor for the course ES-112, Computing using Python. This was under the EWYL (Earn While You Learn) Programme. 2016
- Officer for Election commission, IIT Gandhinagar. Part of the team that successfully conducted the student body elections for the 2015-16 academic year. 2015-2016
- Event manager for the Events team, Amalthea (Technical Summit of IIT Gandhinagar). Co-coordinated Innovent, DCode and TechKnowQuest. All three events are a part of Amalthea. 2015-2016
- An active member of the Chess club, IIT Gandhinagar.

HOBBIES

Interested in Competitive Programming, Table Tennis, Chess, Watching History Documentaries.