

## EDUCATION

---

- School of Engineering and Applied Science** Ahmedabad, Gujarat, India  
*Bachelor of Technology in Information and Communication Technology; GPA: 3.02/4.33* July. 2013 – May. 2017

## EXPERIENCE

---

- Argusoft** Gandhinagar, Gujarat, India  
*Programmer Analyst* Jan 2017 - Present
  - Campaign Management Platform:** Developed a fully dynamic campaign management platform to let product companies create fully customizable product campaigns in order to attract their users. The configurable aspects include use-cases - when the product is required, parameters - when does the campaign activate and campaign mood - the medium to reach users like SMS, call, email etc.
  - Survey Tool :** Built a logical survey platform with branching, piping, looping and response value and then created a village development survey with it. The analysis was shown to the village sarpanch using development flower to understand where their village is lacking. It also incorporated hierarchical response collection for data visualization on any level and linear regression of data to understand development of village in future.
  - National Sports Talent Search (Sports Authority of India):** An initiative of Sports Authority of India, to offer government schemes to sportsperson all over India to register themselves, know all schemes for them and get selected in nearest sport center. My role was to create hybrid application for Android and iOS using Nativescript and deployment.
- School of Engineering and Applied Science** Ahmedabad , Gujarat, India  
*Teaching Assistant - Linear Algebra* August 2016 - Dec 2016  
*Teching Assistant - Calculus and Differential Equations* July 2014 - Nov 2014
  - Responsible for preparing weekly assignments, and conducting assignments solving class, and evaluating them. And further help students with projects. Also involved in evaluating exam papers.

## PROJECTS

---

- Game Theory - Nash Equilibrium:** Creating Mind Map and Summary for 'Beyond Myopic Best Response (in Cournot Competition)' paper. Further, analysing the worst case equilibria, minimizing the costs (both routing and link creation cost) for topologies having newer nodes .
- Compression and Encryption :** Implementation of entropy based lossless compression - Huffman, Adaptive Huffman and Arithmetic. Implementation of Linear Block code - Hamming Code and Low Density Parity Code.
- CPU Scheduling Algorithm:** Implementation of process scheduling algorithms : FCFS,RR,SPN using shell script through signal handling and pthreads
- Event Ticket Booking Portal:** Designed and implemented Event Ticket Booking database, and wrote more than 200+ SQL Queries. Also created procedures, triggers and transactions.
- Spell Checker:** Java Program with database of 5k words using trie tree data structure.
- ALU and Non-pipelined MIPS Processor:** Created 32-bit ALU using Logisim and optimising. Created a non-pipelined MIPS processor having 5 stages in verilog and simulate the processor using the Xilinx tool.
- Smart Room:** Made a working prototype of Smart Room. Light and fan of a room were automated using inputs as the number of people present in the room, temperature and light intensity of the room.

## PROGRAMMING SKILLS

---

- Languages:** Java, Python, C , ECMA Script/Javascript
- Frameworks and Technologies:** Angular 2.x+, ExpressJs, Spring
- Database:** MySQL, PostgreSQL, MongoDB
- Testing Framework:** Protractor, Karma, Jasmine

## EXTRA CURRICULAR

---

- Dynamos Sport Fest of SEAS:** Came first in 100 m Girls
- Adani Ahmedabad Marathon:** It was a run for Soldiers marathon. Completed 5km under 30 minutes
- Himalyan Trek:** Completed Deoriatal Chandrashila Peak Trek with Indian Hikes. Moderate difficulty.