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## Aspiration Focus

*To secure the position of an engineer in a company that offers challenge and opportunity for learning and career development.*

## Qualifications

- Pursuing bachelors in Mechanical Engineering with a CGPA of 8.97 (upto $6^{th}$ semester) at Amrita University.
- Completed Intermediate in MPC at Delta Junior college, Hyderabad, with a percentage of 93.30.
- Completed $10^{th}$ Class in SSC; AP at PACE school with a percentage of 90.33.

## Technical Competencies

Mechanical design software's known

- CREO (2.0) (Certified by PTC)
- ANSYS
- AUTOCAD
- INVENTOR
- ADAMS (view 2015)

Programming languages known

- C
- C++ (certified by Viranchi software solutions)
- Html (basic proficiency)

Familiar with the following Web designing software's
- Dreamweaver
- weebly
- wix.com
- Google sites
- Yola sites

Other software's
- Packet tracer

## Industrial Exposure

- In-plant training at NFC, Hyderabad, on 'Manufacturing Of Tubes and Sheet Components for PHWR' from 16$^{th}$ June to 15$^{th}$ July.
  Various processes in the melt shop like Hydraulic pressing, electron beam welding and vacuum arc re-melting, Hot working like extrusion, piercing and rolling, heat treatments like annealing and β-quenching, Cold working processes like Pilgering, Drawing, Swaging, Straightening, Rolling, Shearing, Grinding, Milling, Polishing and lathe operations, Chemical cleaning like degreasing and pickling, Finishing like sand blasting and polishing, and inspection of quality in destructive and nondestructive processes were studied.
  A small mini project on designing the 50VM pilgering mill's die, shaft and keys, and making a demonstration on how they work with a video has been made.
- Mini project at BHEL, Hydearabad, on 'Vibrational analysis on a steam turbine L.P blade' from 30$^{th}$ May to 13$^{th}$ June 2016.
  Dynamic analysis of a steam turbine blade in computational environment was carried out. In order to gain physical insight into the vibrational dynamics of such turbine blades, a turbine blade of Simens design which is manufactured at BHEL, Hyderabad was taken. Methods to validate the computational procedures for cantilever beam were established. Similar computational procedures were leveraged for the turbine blade. Campbell diagram was drawn and critical speeds, if any were found out.

## Website Designing
Designed the website www.bhagavadgita.co.nr as a project for the elective 'The essence of Bhagavad gita'. The website is presently hosted by wix.com.
 Html, Google sites and wix.com were used to design and edit the website at different stages
The website was made and hosted along with stats, forms blog and commenting section for free.
The website contains various projects carried out by the class, which include short films, power point presentations, online and offline surveys, and an android app (The song of Krishna).
Designed www.harshaash.co.nr . This website which is also my blog is presently hosted and edited using weebly.

## Networking
Attended and completed first two modules of CCNA networking course conducted by CISCO, in the college during summer 2014. Routing and Switching, module 1 and 2 had been completed.
Plant visits at

- Kaiga nuclear power plant (27th Feb 2016)
- Varahi Underground Power plant (26th Feb 2016)
- ASTE,AF Bangalore (Aircraft and Systems Testing Establishment, Indian Air Force)
- IMTEX 2014(25th Jan 2014) and 2015(24th Jan 2015)
- IISC open day (28th Feb 2015)
- Ashok Leyland (15 April 2016)

## Other initiatives

- Treasurer, SAE INDIA club for the year 2014-15
- Worked in Assembly department for BAJA, SAE.
- Event coordinator for Rover Challenge during EKATVA 2014(National Level Tech Fest)
- Event coordinator for Auto Quiz and Robo Sapiens Workshop.
- Virgo house Vice-captain and Prefect for the years 2008-9 respectively.

## Skill enhancement initiatives

**Workshops**
- CCNA-Routing and switching – CISCO(In progress)
- C++ – Viranchi Software solutions
- i3-Indya technologies on VOIP controller –Robotics

**Participations**
- Zonal Round of Robo Tryst-2015
- SENTIENCE'13
- RASE'14

## Personal information

**D.O.B**: 5th December 1995
**Linguistic Proficiency:** Telugu, English, Hindi
**Interests and Hobbies:** Reading novels, biographies, short stories, scientific literature; swimming, listening to music.
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