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Date of Birth 17 August 1994

Nationality Indian

Marital Status Single



ACADEMICS

- 10/2015 – Present **Masters of Science (M.Sc.) – Mechanical Engineering**
Rhine-Waal University of Applied Sciences, Kleve, Germany
CGPA – 2.3 (Expected)
- Focus Fields – Gas Vapour Power Systems, HVAC, Process Engineering, Computational Multi-Body Dynamics, System Identification and Optimal controls, Structural Analysis, Advance Engineering Mathematics
- 08/2011 – 07/2015 **Bachelor of Technology (B.Tech.) – Mechanical Engineering**
Jawaharlal Nehru Technological University, Hyderabad, India
CGPA – 8.0/10 (2.0 German Equivalent)
- Primal Focus – Production Technology, Machine Tools, Material Science Engineering, Mechanical Engineering, Thermodynamics and Power Plant Engineering, Engineering Mathematics, Engineering Drawing, Managerial Economics, Finite Element Methods, CAD / CAM.
- 06/2009-07/2011 **Engineering Preparatory Course (Intermediate Study)**
N R I Junior College, Vijayawada, India
CGPA – 9.6/10 Final Grade
- Direction – Mathematics, Physics, Chemistry

PROFESSIONAL BACKGROUND

- 04/2018 – 07/2018 **Lean Six Sigma Green Belt Certified Training**
Six Sigma Global Institute
- 04/2018 – 06/2018 **Project Management Essentials**
Manipal Pro-Learn (Accredited to Manipal University, Nepal)
- 11/2017 – 04/2018 **University of Duisburg-Essen and SAP SE, Germany**
SAP ERP on S4/HANA
- 01/2014 - 05/2014 **Research Center Imarat, Ministry of Defence, Hyderabad, India**
Mechanical Intern (Position: Design Engineer)
Tasks: Designing Battery Mounting Assembly for Aerospace Vehicle (Guided Missiles)
- Modelling Assembly with Operational Software
 - Analysis on Designed Structure using Finite Element Software
 - Selection of Material catalogue and Bill of Materials
 - Skills: CATIA V5, SolidWorks, ANSYS, Material Science, Engineering Mechanics

- 10/2013 - 01/2014 **Micro-Small-Medium Enterprises, Central Institute of Tool Design, Hyderabad, India**
 Industrial Training (Position: Intern)
 Tasks: Tools preparation for Hindustan Aeronautics Limited.
- Working of NC, CNC and Multi-Axis Milling machines
 - Skills: Production Technology, Machine Tools and Quality Control.

PROJECTS AND PRACTICAL EXPERIENCE

- 10/2016 – 04/2017 **Vibration Compensation in Elastic Beams (Research Project)**
 Tasks: Using Linear Quadratic Regulator system of Elastic beam is stabilized.
 Skills: MATLAB, SIMULINK, Control Engineering.
- 10/2015 – 01/2016 **LQR Controller for a Coupled Train (University Project)**
 Competence: Control Engineering, Applied Mechanics, MATLAB, SIMULINK.
- 10/2014 – 06/2015 **Experimental Analysis on Various Metals using Friction Stir Welding Setup on a Conventional Milling Machine (Bachelor Thesis)**
 Expertise: Machine Design, Production Technology, Thermal Analysis and Management, Material science, FEM.

SCHLOARSHIPS AND EXTRA-CURRICULAR ACTIVITIES

- Scholarship for Higher Education (SHE), INSPIRE scheme, Government of India.
 - Awarded for Academic Excellence 1% out of 0.2 million students in Intermediate Studies.
- Best Paper Presentation Award
 - Second Best Inter-College Paper Presentation, from a league of twenty Engineering institutes.
- Volleyball-Runner-up, Regional League 2013, India
- Since 2015 active Member in VDI Düsseldorf.

PERSONAL COMPETENCIES

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|------------------------|--|
| Linguistic Proficiency | <ul style="list-style-type: none"> • English – Professional Fluent • German – Good • Telugu – Mother Tongue • Hindi – Fluent |
| Software Expertise | <ul style="list-style-type: none"> • MS Office (PowerPoint Word Excel) – Very Good • NX 8.5, CATIA V5, SolidWorks, MATLAB, Simulink – Very Good • ANSYS Work-Bench 14 - 19 – Very Good • Programmierung C, C++ – Basics |
| Social Media | <ul style="list-style-type: none"> • https://www.xing.com/profile/AjayKumarTejaswi_Konakanchi (Xing) • http://www.linkedin.com/in/konakanchi (LinkedIn) |