

PERSONAL INFORMATION



Janani Venkatraman Jagatha

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Sex Female | Date of birth 15/05/1991 | Nationality Indian

PERSONAL STATEMENT

Meticulous, innovative and team oriented Mechanical and Environmental engineer, willing to work in a dynamic and challenging environment, for a longtime pursuit of knowledge and experience for mutual betterment

WORK EXPERIENCE

07/2015–02/2016

Master thesis student

MANN+HUMMEL GmbH, Ludwigsburg (Germany)

Definition and set up of a test method to measure the compressive force of a moulded PU foam gasket of air filter elements.

- Design and development of a test apparatus
- Develop test procedure to initialize and calibrate the apparatus
- Validation of test apparatus

EDUCATION AND TRAINING

10/2013–02/2016

Master of Science in Air quality control, solid waste and waste water process engineering

University of Stuttgart, Stuttgart (Germany)

- Air quality control

- Pollutant formation and air quality control
- Measurement of air pollutants
- Firing systems and flue gas cleaning

- Waste water technology

- Design of waste water treatment plants
- Industrial waste water technology

- Process engineering

- Thermo and fluid dynamics
- Mechanical and thermal process engineering

09/2009–05/2013

Bachelor of Engineering in Mechanical Engineering

Anna University, Chennai (India)

- Thermodynamics
- Manufacturing technology
- Design of machine elements
- Environmental science and engineering
- Total quality management
- Principles of Management

PERSONAL SKILLS

Mother tongue(s) Telugu

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|--|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| German | B2 | B2 | B1 | B1 | B1 |
| English | C2 | C2 | C2 | C2 | C2 |
| Business English Certificate - Vantage A | | | | | |
| Tamil | C2 | C2 | C1 | C2 | C2 |
| Hindi | A2 | A2 | A2 | A2 | A2 |

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

ADDITIONAL INFORMATION

- Projects**
- **MASTER THESIS:** Definition and set up of a test method to measure the compressive force of a moulded PU foam gasket of air filter elements
 - **RESEARCH PROJECT:** Ambient air quality measurements of air pollutants at 'Am Neckartor', Stuttgart. Measured ambient air for pollutants that are primarily due to vehicular emissions
 - **PROJECT PLANNING:** Planning and Analysis of a project to undertake air quality measurements at Chennai, India
 - **BACHELOR THESIS:** Performance analysis of a PEM (Proton Exchange Membrane) fuel cell using ANSYS CFD
 - **DESIGN AND FABRICATION PROJECT:** Created an existing model of a tricycle Hydraulic Brake System
- Presentations**
- **'Inculcation of interest in astronomy among children'** at National Conference on Astronomy and Planetary Sciences, 2006
 - **'Global warming and Astronomy'** at centenary celebrations of Nobel Laureate C. V. Raman, 2008
- Software**
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| <ul style="list-style-type: none"> - Independent User - Auto CAD - CATIA V5 - SOLID WORKS | <ul style="list-style-type: none"> - Basic User - Dust Monitor (GRIMM) - ArcGIS - ANSYS |
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- Honors and awards**
- National player in Chess and Handball
 - Governor awardee in Scouts and Guides movement, India
- Memberships**
- WASTE Club, University of Stuttgart, member
 - Verbindend fortschrittlich Leistung, Herrenberg
 - Chennai District Chess Association, Life member
 - Tamilnadu Astronomy Association, Life member
- Interests and hobbies**
- Reading books, cooking, learning languages and culture, travelling
 - Chess, badminton, swimming and hiking