

## MUNJANI AKASHKUMAR ASHOKBHAI

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### Permanent Address :

F/102, Parth Complex,  
Near Jeevandeep Society,  
Katargam-Singanpor road,  
Surat.  
Gujarat. Pin : 395004

**Email Id:** [amunjani93@gmail.com](mailto:amunjani93@gmail.com)

**Mob No:** 9913866188

**Linkedin:** <https://in.linkedin.com/in/akashkumar-munjani-3727936a>

### Educational Qualifications:

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Year of Passing	Degree	Stream	University/ Board
2015-2017	M.E	Mechanical Engineering	Indian Institute of Science (IISc), Bangalore
2010-2014	B.E	Mechanical Engineering	B.V.M Engineering College, Vallabh Vidyanagar
2010	H.S.C	Science stream	P.P.Savani Vidhyabhavan
2008	S.S.C	-	G.S.E.B

**GATE 2015 Score:** 812/ 1000

**GATE 2015 Marks:** 76.66/100

**GATE 2015 Percentile:** 99.69

### Current post:

Project associate at SVNIT, Surat.

### Skills:

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- MS Office
- 3D Modelling: PTC CREO
- Flow Visualisation: PIV, Shadowgraphy, PDPA
- Programming: MATLAB, C language

### Projects:

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#### ME Project:

Parametric study of High Shear Atomizer. ( sponsored by GTRE lab of DRDO, Bangalore)

Advisor: Prof. Saptarshi Basu, Associate professor,

Multiphase flow and combustion laser diagnostics lab, IISc, Bangalore.

My thesis presents comprehensive analysis on detailed flow and spray characteristics in realistic air blast atomizer. Time resolved Particle Image velocimetry (PIV) was implemented to understand the flow field characteristics. High speed shadowgraphy was implemented to visualise the combined liquid gas interaction. Droplet size distribution and SMD variation were studied with Phase Doppler Interferometer (PDI). Effect of parameters like swirler blade angle, mode of air entry, air split between primary and secondary swirler on flow field, spray cone angle and SMD, were studied with PIV, shadowgraphy and PDI.

**B.E Project:**

Study and modelling Adsorption type of refrigeration system

**Industrial summer Internship:**

Study and Redesign of 5 KL BMC

IDMC Limited, Vitthal Udyog nagar, Anand

**Areas of Interest:**

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- Engineering Mathematics
- Fluid Mechanics
- Thermodynamics and Applications
- Strength of Material
- Machine Design
- Vibration and Theory of Machine
- Heat Transfer

**Strengths:**

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- Ability to work with team
- Willingness to learn
- Management

**Hobby:**

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- Reading
- Walking

**Extracurricular Activity:**

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Volunteering in BAPS which is an NGO in Consultative Status with the Economic and Social Council of the United Nations

**Languages known:** Gujarati, Hindi, English

I hereby declare that all the information given is correct to the best of my knowledge.

Date: 28-Jan-2018

Place: Surat

Munjani Akashkumar A