

PERSONAL INFORMATION

Vikram Karve

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POSITION

Doctoral Assistant

WORK EXPERIENCE

02/08/2017–Present

Doctoral Assistant

EPFL, Valais (Switzerland)

12/01/2017–12/05/2017

Project Assistant

Tata Institute of Fundamental Research, Mumbai (India)

Developing synthetic protocols used in making methyl ammonium lead iodide based solar cells

01/04/2016–01/10/2016

Master Thesis Student

ETH, Zurich (Switzerland)

Worked on my master thesis titled "Synthesis of aerogel based model catalysts for alcohol reforming"

Developed a novel synthetic protocol to generate transition metal (Cu, Ni) doped silica aerogels

Hands on experience of various analytical techniques including surface area measurements, SEM, IR and XRD

01/03/2015–01/06/2015

Intern (HiWi)

Department of Organic Chemistry III, University of Ulm, Ulm (Germany)

Synthesis of organic precursors, used towards the preparation of functional protein nanomaterials

01/01/2014–01/04/2014

Bachelor Thesis Student

Institute of Chemical Technology, Mumbai (India)

Worked on my bachelor thesis project titled "Synthesis of Salicyloyl anthranilic acid"

Investigated a relatively benign synthetic pathway to generate salicyloyl anthranilic acid

13/05/2013–21/06/2013

Intern

Elantas (Beck), Pune (India)

Characterization of organic solvent soluble dyes with a specific focus on structure property relationships

Hands on experience on analytical tools such as the UV-Visible spectrophotometer and the Gas chromatograph

EDUCATION AND TRAINING

- 2014–2016 **Master of Science (Advanced Materials)**
University of Ulm, Ulm (Germany)
Cumulative GPA: 1.5
Ranked in the top 5% of all students in the program
Obtained the DAAD PROMOS scholarship
- 2010–2014 **Bachelor of Technology (Dyestuff and Intermediates)**
Institute of Chemical Technology, Mumbai (India)
Cumulative GPA: 8.41
Ranked 3rd of all the students in the program
- 2008–2010 **Higher Secondary School Certificate**
S.I.E.S College of Science and Arts, Mumbai (India)
Overall percentage obtained: 90.33 %
- 1998–2008 **Secondary School Certificate**
Saraswati Mandir High School, Mumbai (India)
Overall percentage obtained: 90.46 %

PERSONAL SKILLS

Mother tongue(s) Marathi

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
German	B1	B1	B1	B1	B1
English	C2	C2	C2	C2	C2

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

Communication skills Good communication skills in English gained by working in different multicultural lab environments
IELTS band score: 8.0

Organisational / managerial skills Event head at Manzar, the cultural festival of the Institute of Chemical Technology
Departmental representative for 2 years at the Institute of Chemical Technology

Job-related skills Good command over inorganic and organic synthetic techniques

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving

Independent user	Basic user	Basic user	Basic user	Independent user
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Digital competences - Self-assessment grid

Good command of MS Office

Basic command of HTML and C-programming