

# Curriculum vitae

## PERSONAL INFORMATION

### Tanmay Moharana



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Sex Male | Date of birth 05/01/1987 | Nationality Indian

## PERSONAL STATEMENT

Change agent and problem solver with a passion for technology skilled in grasping the big picture, conceptualizing, developing and implementing solutions. Excel in developing and motivating highly focused teams that successfully meet company's objective.

## WORK EXPERIENCE

10/10/2015–22/05/2016

### Co-Founder, Tech Lead

Setalyt.com

Setalyt is social networking website for people to exchange skills and knowledge.

04/07/2013–20/08/2015

### Senior Reseach & Development Engineer

Tega Industries Limited, Kolkata (India)

- Development of a wireless system for wear measurement and monitoring of polyurethane screen decks based on Internet of things.
- Development and implementation of wireless identification and tracking system for screen decks using RFID and Zigbee wireless networking on Arduino platform.

10/09/2013–04/03/2015

### Co-Founder

IndiaTechLabs (Formerly-SyncInLab)

A startup technology company that provides software solutions for mining and mineral processing industries. With solutions ranging from analysis software to android mobile apps for IoT-based devices specifically built for the purpose.

04/07/2011–08/07/2013

### Application Engineer-Research & Development

Tega Industries Limited, Kolkata (India)

- Development of screen efficiency program on Visual Basic platform based on the new parameters derived through simulations and experimental setup.
- Development of a modular trommel screen that can be easily transported.(Jointly done with IIT, Kharagpur).
- Developing a mathematical simulator for movement of slurry inside a rotating trommel structure using Octave mathematical modelling software.

## EDUCATION AND TRAINING

20/08/2015–Present

### MBA- International Management for Resources and Environment

Technische Universität Bergakademie Freiberg, Freiberg (Germany)

04/05/2010–02/04/2011

### P.G. Diploma in Mineral Processing

Council of Scientific & Industrial Research-IMMT, Bhubaneswar (India)

30/03/2005–30/03/2009

### B.Tech in Mining Engineering

Government College of Engineering (Formerly Orissa School of Mining Engineering), Keonjhar (India)

## PERSONAL SKILLS

Mother tongue(s) Oriya

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C1
TOEFL					
German	A1	A1	A1	A1	A1

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

Job-related skills

- Research related skills: Patent Mining, QFD-Quality function deployment, ISQ- Inventive System Questionnaire, Project Management.
- Mining & Mineral Processing Software: Aggflow, MODSIM.

Computer skills

- Web Technologies: HTML, CSS, XML, JAVA, ANDROID, JAVASCRIPT, Wordpress.
- Creative Technology: Arduino, Raspberry Pi, Microsoft Kinect Development.
- Scientific Computing: Octave, FEA-ANSYS, ANSYS APDL Programming, DEM-EDEM
- Design Tools: Autodesk Inventor, ReplicatorG-3D printing software.

Other skills

- Amateur photographer.
- Core team member Google Business Group, Bhubaneswar, India.
- Member of Google Developers Group, Bhubaneswar, India.

## ADDITIONAL INFORMATION

Seminars

- Developing a remote data acquisition, production information and visualization system in mineral processing industry based on Internet of Things. **International seminar on mineral processing technology MPT'14**
- A study on the usage of Augmented Reality and modern mobile technologies in information management in mining and mineral processing industries. **International seminar on mineral processing technology MPT'14.**

Patents

- Vibrating screen panel health monitoring system. **WO 2014136121 A1**  
<http://bit.ly/1MSGVpb>
- Trommel assembly- modular easy to transport trommel structure. **WO 2014024204 A1**  
<http://bit.ly/1MSH5Nk>
- Snap fit fixing system for screen panels- a new type of fixing arrangement for vibrating screen decks. **WO 2014080415 A1**  
<http://bit.ly/1xlqv6Y>
- An Improved snap fit screen panel and fixing system- a fixing system for screen decks for vibrating screens. **US20150290682 A1**  
<http://goo.gl/o8zicH>
- Trommel assembly having a spiral assembly with a decaying pitch. **WO 2014181356 A1**  
<https://goo.gl/hLNRBs>
- A fixing arrangement having multistage contoured snap-fit fixing means for fixing of a screen panel on a support structure. **WO2015170334 A1**  
<https://goo.gl/iUVTt6>

Honours and awards

- Selected for Leadership training by Tega Industries at Calcutta Business School, 2014
- IndiaTechLabs (formerly SynclnLab) was selected in Semi-finals of I2I B-plan contest at IIM Calcutta and was among the top 20 teams.
- Participated in MIT Media Lab India Initiative –Design & Innovation Workshop-2015, Gandhinagar, India.
- Participated in Intel IoT roadshow event 2016 at A-lab, Amsterdam.
- Participated in Start-Up India Event 2016 held at Indian embassy, Munich, Germany.