

# Sachin Hegdekudgi



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## Summary

Empathy, integrity, hunger, energy and excellence assist a satisfactory life. Time is precious at personal level. I believe, a lot more to learn.

## Experience



### Founder and Director

#### RootsGoods

Mar 2017 - Present

RootsGoods is an interactive multi disciplinary market place for farmers to grade, negotiate, sell and transport their commodities from farms to wholesale buyers' address. Further, we provide free services of price, weather and soil analysis for farmers to strengthen the agriculture community with transparent and necessary information. The transactions on the platform would be recorded on Blockchain public ledger and crops graded using Artificial intelligence based application.

- Designing the web application based on the market research and data procured during my post graduate thesis
- Performing customer segmentation and pricing of Maize for Indian Market and Morimanga leaves powder for the European market
- Presently working on testing the introduction of blockchain as a price hedging tool for commodities of farmers



### Asset Management Consultant

#### Stellbrink & Partner Patentanwälte mbB

Oct 2015 - Feb 2017 (1 year 5 months)

- Engaging the reputed clients and understanding the core drivers of their Intellectual properties through landscaping and cluster analysis
- Programming the logistic, k-means and normal regression analysis to validate the clusters and correlations of the IP portfolios using Python, R and MySQL databases
- Performing white spots and future scope analysis using (Python) Bokeh and Tableau to suggest best practices and directions for the future R&D investments



### Working Student: Research and data analysis

#### Stellbrink IP

Mar 2015 - Sep 2015 (7 months)

- Designed software architecture for an investment bench-marking tool based on innovations and IP assets
- Analyzed the raw data and created the MySQL databases for both in-house data and comparison data from global investment bench-marking companies like MSCI for a hedge fund management tool



### Design and database management

## Athena Infonomics

Dec 2014 - Jan 2015 (2 months)

The project's aim was to build a software product to provide customized information on the e-auctions of coal blocks by Government of India in 2015.

- Part of team that devised a software architecture and data warehouse design
- Devised data source recognition and quick data sourcing techniques
- Designed an algorithm to rank the coal blocks suitable to the bids, based on prerequisites of our clients.



## Innovation Management

### Maymuse Environmental Technology Company Limited

Aug 2013 - Nov 2013 (4 months)

- Part of the team that conducted a global market research on latest technological developments in Poly-ether sulfone material (a major component in ultra-filtration membrane)
- Prepared a collaboration proposal based on the market research, which was accepted by a Canadian competitor for further meetings



## Operation Management

### Nakiki

Apr 2013 - Jun 2013 (3 months)

A short two months project had a goal to optimize the inventory of the e-commerce retail business.

- Prepared an inventory optimization report for the eCommerce retail start-up using a system dynamics simulation software called VENISM.
- An optimization plan was submitted to reduce the inventory space size by 25%



## Corporate Planning Analyst

### Tata Consulting Engineers Limited

Dec 2011 - Sep 2012 (10 months)

- Monthly analytical report for around 400-600 projects
- Contemplated the monthly forecast data to business development team
- Deduced plans and forecasts using MS Excel on the present and prospective projects
- Performed troubleshooting simulations on the various blockages in the project by varying technical and financial criteria



## Electrical Engineer, Thermal Power Plants

### Tata Consulting Engineers Limited

Jul 2010 - Dec 2011 (1 year 6 months)

The engineering consulting job was in Jamshedpur (East-India) and Bangalore (South-India), engaged me in thermal power plant projects like 2 x 250 MW and 2 x 600 MW in Odhissa and Chhattisgarh.

- The primary job was to design and review the customized electrical equipment and systems like motors, transformers, lighting, earthing, lightning systems and switch-yards
- Performed Life Cycle Analysis (LCA) of electrical systems that exposed me to the commercial scope of the mega infrastructure projects



## Product and Sales Engineer

AVR Electronics Private Limited

Dec 2009 - Jun 2010 (7 months)

- Designed and implemented an under & over voltage limit detector into Automatic Source Change over cum Current Limiter (ASCL). The product ASCL exists till today in the portfolio of the company
- Reached the sales target of 200,000 INR (~3448€, as per then average exchange rate)

## Education

### Technical University of Munich

Master's Degree, Sustainable Resource Management

2012 - 2015

Researching on the impact of macro economic energy policies of European Union on India, China and other resourceful countries, vice versa. Role of financial markets to facilitate climate change infrastructure and energy efficient smart systems.

MASTER THESIS EPISTEMOLOGY: "Market valuation of carbon - Bridging EU ETS and Indian Renewable energy certificate system" is the title. Auto-regressive and moving average exogenous variable econometrics model (ARIMAX) is used to analyse the data between 2005-2015 of both European and Indian emission based trading systems.



### RV College Of Engineering

B.E, Electrical and Electronics Engineering

2005 - 2009

## Licenses & Certifications



### Digital Publishing Fundamentals - Lynda.com

Issued Aug 2016 - Expires Aug 2016

7F028A



### Techniques and Concepts of Big Data - Lynda.com

Issued Aug 2016 - Expires Aug 2016

F583E5

## Skills

C • Electrical Engineering • Engineering • SQL • C++ • Power Systems • Electricians • Java • Project Management • Team Management

## Honors & Awards



### Scholarship: China - China-zentrum-Bayern

Aug 2013

Honored by China-Zentrum-Bayern scholarship to facilitating my personal costs during my research project visit to promote the water filtration innovations in China. China-Zentrum-Bayern is an international

governmental organization funding the projects and activities to promote relationship between China and Bavarian state, Germany.



**Scholarship: India-Germany - Bayerisch-Indisches zentrum**

Feb 2015

Honored by Bayerisch-Indisches zentrum scholarship for researching on carbon market in Europe and India during master thesis titled "Market Valuation of Carbon: Bridging European emission trading system and Indian renewable energy certificate system". Bayerisch-Indisches zentrum is an international governmental organisation funding the research projects and activities to promote relationship between India and Bavarian state, Germany.



**National level handball sub-junior championship: Karnataka State (India) Team Captian - Handball Federation of India**

Apr 2002