

# Umashankar T D

 25.10.1991

 Indian

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## Professional Experience

**Nov 20 – Jan 20** **Project Manager – Installed Hardware**  
**Berlin, Germany**  
**Infarm GmbH**  
*Vertical Farming company based out of Berlin, operating in NA, Japan and EU*

- Developed project plans, risk analysis metrics and operational issues for vertical farming
- Identified KPIs for business intelligence and data analytics for optimising performance and yield
- Worked with teams in Japan, North Americas and Europe for operations support and certification and testing of farms for compliance

**Feb 20 – Jun 20** **IT Transformation – Associate Consultant**  
**Düsseldorf, Germany**  
**Ritzenhoefer und Company**  
*IT and Digital Transformation consulting based out of Düsseldorf*

- Developing an India subsidiary for onshoring of Insurance IT services of a large provider based out of Germany, building an AGILE working model
- Implement hybrid cloud solutions by developing target architecture and evaluating bids from leading markets players like Accenture, TCS and Infosys
- Building an IT operations simulator to help reduce impact from load seasonality of IT incident management and improve resource utilization

**Sep 19 – Nov 19** **Strategy Consulting – Social Housing in Berlin**  
**Berlin, Germany**  
**Gewobag GmbH**  
*Social housing company owned by State of Berlin*

- Developing a digital strategy for a social housing company aligned with Berlin smart city strategy, identifying methods to increase tenant engagement
- Delivering organizational change, pushing a traditional infrastructure company to pursue innovation in the industry using a platform approach

**Jul 17 - Mar 18** **Category Analyst – Contracting and Procurement**  
**Bangalore, India**  
**Royal Dutch Shell**  
*Global group of energy and petrochemical companies*

- Saved 150.000 USD per year for every new gas station in the UK by cost modelling using a total cost of ownership model
- Built relationships with solar and wind suppliers in India, identifying key partners and research institutions in South India for building a 10 MW plant

**Aug 14 - Jun 17** **Process Engineer - Liquefied Natural Gas (LNG) Front End Design**  
**Bangalore, India**  
**Royal Dutch Shell**

- Designed LNG facility in Russia, costing 7 billion USD with a 30+ team of cost estimators, schedulers, contractors, technical experts and delivering the project 2 years ahead of schedule
- Orchestrated a combined engineering effort with 100+ international stakeholders, for a customer in Russia, an engineering contractor in Japan and management in Netherlands
- Headed a project with 25 members for lowering LNG plant CO<sub>2</sub> emission by 10%, under a cost constraint, identifying 4 technology archetypes for effective CO<sub>2</sub> footprint reduction

**May 13 - Jun 13** **Supply Chain Intern – Expansion Team**  
**Mumbai, India**  
**Mondelez International**  
*Globally operating multinational confectionery, food, and beverage company*

- Developed a unique techno-commercial proposal costing 8 million USD with warehousing and production forecasts leading to execution under 1 year

## Summary

Manager building innovative solutions in the capital range of 10-400 million USD with a lifecycle of 5-15 years across FMCG, manufacturing, Oil and Gas and IT

## Key skills

- Pro-active stakeholder engagement
- Uniting technical and business experts
- Data driven decision making

## Education

**Master of Business Administration**  
ESMT Berlin - Germany  
Jan 19 - Dec 19

**Master of Technology in Chemical Engineering**  
Indian Institute of Technology Madras  
Jan 12 – May 14

**Bachelor of Technology in Chemical Engineering**  
Indian Institute of Technology Madras  
Jul 09 – Nov 12

## Languages

**English:** Proficient  
**German:** Proficient  
**Tamil and Hindi:** Native

## Technology

Experience in modelling using R, Power BI, Python, MATLAB and learning more about Machine learning and AI

## Certifications

Certified in Gas Processing  
BSI Internal Quality Auditor  
AWS and GCP certifications for cloud infrastructure

## Extracurricular

- Digital stock exchange solution for Six, the Swiss Stock Exchange during the Innovating in Finance MBA Competition
- Siemens Ecosystem design thinking workshop for design of future energy solutions
- Member of the Global Network for Advanced Management hosted by Yale School of Management
- In my free time practice Yoga and learn new languages