

CURRICULUM VITAE

PERSONAL INFORMATION

Name
Address

Telephone
E-Mail
Website
Nationality

SINGH Amita
Albert Malares väg 26F, Täby,
Stockholm, Sweden
(46) 0721486236
amitas@kth.se
www.amitasingh.in
Indian



WORK EXPERIENCE

- ▷ Period
- Employer
- Position
- Main responsibilities

2018 – Present

KTH Royal Institute of Technology, Stockholm, Sweden
Research Engineer

- Implementation of cloud solutions for Swedish-German testbed
- Connection of machine tools at various locations to cloud

- ▷ Period
- Employer
- Position
- Main responsibilities

2015 – 2016

John Deere Werke, Mannheim, Germany
Intern

- Optimization of Assembly Lines using Discrete-Event Simulation

- ▷ Period
- Employer
- Position
- Main responsibilities

2011 – 2014

TATA Technologies (TATA Motors), Lucknow, India
Senior Simulation Engineer

- Validation of factory layouts and optimization of material flows
- Process simulation for fixtures, robots and other resources
- Conducting time-studies and creating questionnaires
- Human posture and fatigue analysis during assembly processes
- Creation of e-modules for operator training

- ▷ Period
- Employer
- Position
- Main responsibilities

2010 – 2011

TATA Technologies (TATA Motors), Lucknow, India
Process Engineer

- Analysis of assembly lines
- Creation of process and controls documents: Process sheets, Process flow diagrams, FMEA and Control plans

SCHOLASTIC ACHIEVEMENTS

- ▷ Conference Paper

A. Singh, F. Quint, P. Bertram, M. Ruskowski. *Towards Modular and Adaptive Assistance Systems for Manual Assembly: A Semantic Description and Interoperability Framework*. UBICOMM (2018)

- ▷ Session Chair

Ubiquitous Software and Security session at UBICOMM (2018)

▷ Scholarship	DAAD STIBET 2016 – 17
▷ Seminar (Electromobility)	Third place in a competition on Energy Management Strategies for Hybrid Electric Vehicles using MATLAB/Simulink (2015)
▷ Internship	One of the ten candidates selected by German Society for International Cooperation from India for internship in Germany (2014).
▷ Project	Project of the Quarter 2012 – 13 (TATA Motors)

EDUCATION

▷ Master thesis	Modular & Adaptive Assistance Systems for Manual Assembly – Engineering a Semantically Described CPS Module — German Center for Artificial Intelligenc & <i>SmartFactory</i> ^{KL}
▷ Period	2014 – 2017
◦ Acquired qualification	M.Sc. in Commercial Vehicle Technology
◦ Institute	TU Kaiserslautern
◦ Major subjects	Electrical Engg, Computer Science, Mechanical Engg
◦ Grade	1.5 (Very Good)
▷ Period	2006 – 2010
◦ Acquired qualification	B.Eng. in Mechanical Engg
◦ Institute	BIET Jhansi (India)

LANGUAGES

English	Fluent
German	Intermediate (B1-B2)
Swedish	Beginner (A1-A2)
Hindi	Native

TECHNICAL SKILLS

Programming Languages	C#, VBA, MATLAB/Simulink, Python, Java, JavaScript/HTML/CSS, SQL/SPARQL
Programming Tools	git, Atom, Eclipse, \LaTeX
Software	Protégé, Delmia, Catia, AutoCAD, Unity, Quest, PLM, MS/Google Suite
Operating Systems	Linux & Windows

ORGANISATIONAL SKILLS

RESPONSIBILITIES HELD	<ul style="list-style-type: none"> • Volunteer with ASZ for refugee assistance (KL) • Team Leader for 5S in department (TATA Tech.) • Institute Sports Captain (BIET Jhansi)
HOBBIES	<ul style="list-style-type: none"> • Reading and programming

Stockholm, January 13, 2019

Amita Singh