

GAURAV GENANI

MECHANICAL DESIGN ENGINEER

gaurav.genani@gmail.com

EXPERIENCE

● 2009 - 2010

PRODUCT ENGINEER, John Deere Dubque Works, USA

International assignment to John Deere Construction Headquarters at Dubuque, Iowa. Responsible for the design of pushbeam mechanism that allows dozer blade articulation. Design is in production now under the brand name 850K series dozers. A patent has been filed on the design.

Duties involved conceptualizing the design from sketch to production model using ProE and product data management using PDM Link. Also underwent professional trainings on latest GD&T standards, Six Sigma, DFMA etc. Co-ordinated with manufacturing engineers and suppliers globally to ensure integrity of design on the assembly line. Travelled to Slovakia to oversee tooling production.

● 2007 - 2010

DESIGN ENGINEER, John Deere Technology Center, India

Involved with new product development for launching John Deere India Backhoe Loader. Team lead for designing a dozer attachment for John Deere 750 & 850K series dozers. The project involved conceptualizing, modeling and detailing the dozer blade and its articulation mechanism.

Duties involved drafting and detailing prints, creating 3d models in ProE for sheet-metal parts & assemblies, co-ordinating work from onsite to contract employees involving plastic components, hose routing etc.

PROFESSIONAL SKILLS

ProE / Solidworks (Sheet Metal, Castings, Machined and Formed components, Motion analysis, Surface modeling, Handling large assemblies, Drafting and detailing complex assemblies) Windchill PDM Link, Structural Analysis using ANSYS & Solidworks, FMEA, DFMA, GD&T, Mechanism Design

Further details on my website : www.golden-ratio.nl

EDUCATION

● 2012 - 2013

Ready to Startup
Startup Leadership Program
YESDelft Incubator, TU Delft

● 2010 - 2012

MSc. Integrated Product Design
Delft University of Technology

● 2003 - 2007

B.Tech Mechanical Engineering
National Institute of Tech., India

RECOGNITION

PATENTS

Device with improved actuating means and method for use thereof (in robots and specifically wearable robots); Dutch provisional # 500086565

Pushframe with Tapered Cross-beams; USPTO Application # 20110114343

PUBLICATIONS

Feasibility study of 10MW MgB₂ fully superconducting generator for offshore wind turbines (to be submitted for conference)

Design of an ergonomic electric guitar : Dutch Journal of Ergonomics 2003:2 issue

AWARDS

Network Jonge Ondernemers' (Young Entrepreneur Network) Award from Arnold & Sietsma Attorneys for protecting promising intellectual property