



Seeking Design Engineering responsibilities to explore my expertise in designing and creation of products. Excellent team player with good communication & interpersonal skills.

SANDEEP KUMAR JHA

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Address:

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Links

My Work:

<https://www.cgtrader.com/collider1729>

LinkedIn

<https://www.linkedin.com/in/sandeep-k-3a7016204>

Freelance:

<https://www.upwork.com/freelancers/~018047013fceb23340>

Technical Skills

CAD, CAM & CAE:

Solidworks (Certified Professional Adv.)
AutoCAD
Ansys

Rendering:

KeyShot and V-ray

Modelling:

3ds Max and Maya

Photo and Video Editors:

Photoshop, Premiere Pro and After Effects

Programming:

C and C++

Experience

Upwork (Freelance):

- ❖ Responsible for creation and quality checks of 3D CAD models of scaled tanks, trains, fighter jets, agricultural vehicles and spaceships to be used for production via 3D printing.
- ❖ Creation of complex parts in Solidworks for an Advanced CAD Practice book.
- ❖ Designing new fixtures to improve production time, cost and quality.
- ❖ Creating 3D models, assemblies and detailed drawings for machine and plastic parts.
- ❖ Writing articles and tutorials about SolidWorks CAD software.

Education

Dr. Akhilesh Das Gupta Institute of Technology and Management, New Delhi 2018-2022
B. Tech.: Mechanical and Automation Engineering Percentage: 84.24%

Rao Man Singh Senior Secondary School 2017
Senior Secondary (XII) Non-Medical Percentage: 86.60%

Projects

Solar Drone: Led a team of 4 members in designing, performing analysis and fabrication of a Solar Drone capable of autonomous flight for extended hours in presence of sunlight without any battery power.

Electric Go Kart: Worked with a team of 20 members. Responsible for Powertrain and transmission designing, calculations, methods and fabrication. Performed structural analysis on chassis and created full assembly in Solidworks.

Multiple CAD Models and Renders: Created various CAD models such as Foldable Table & Chair Set, Game Swords, Brushless Motors, Drones, and various Automobile components such as V6 engines, Manual Transmissions, Clutch Discs, Front and Rear Suspension systems, Car tires, etc.

Certifications & Achievements

- ✓ **Solidworks:** Mechanical Design (CSWPA), Sheet Metal (CSWPA), Surfacing (CSWPA), Weldments (CSWPA), Drawing Tools (CSWPA), Additive Manufacturing (CSWA)
- ✓ **AutoCAD:** Internshala Trainings
- ✓ **Finalist of NASA's Challenge: Lunar Torch**
- ✓ **Aakruti 2021 Shaping Imagination:** Certificate of participation.