

Rupesh Shrestha

Nilkantha 4, Dhading, Bagmati, Nepal | +977-9860687636 | shrestharupeshinfo@gmail.com
[linkedin.com/in/shrestha-rupesh](https://www.linkedin.com/in/shrestha-rupesh)

Education

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| Dr. Ambedkar Institute of Technology
<i>B.E. in Mechanical Engineering</i> <ul style="list-style-type: none">GPA: 9.20/10 | Bangalore, India
Oct. 2021 |
| Viswa Niketan Secondary School <ul style="list-style-type: none">GPA: 79%Awards/Honors: Mahatma Gandhi Scholarship, Student of the Year 2016 - 2017, College Topper | Kathmandu, Nepal
June 2017 |
| Nilkantha Secondary School <ul style="list-style-type: none">GPA: 88.0%Awards/Honors: District Second Topper (public), Civil Service Employee's Children Scholarship | Dhading, Nepal
April 2017 |

Work Experience

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| Action Nepal
<i>Executive Board Member</i> <ul style="list-style-type: none">Led projects like SUSAHARA II(USAID funded) in nutrition and CRISTA (Climate Resilient Infrastructure for Social Transformation and Adaptation) supported by AIT and the world bank. | Dhading, Nepal
Jan. 2022 - Present |
| National Innovation Center
<i>Mechanical Design Engineer</i> <ul style="list-style-type: none">Researched, designed, simulated, and manufactured the first Bike Ambulance in Nepal.Handed it over to the Rotaract Club, Kathmandu to operate the Ambulance in Dang, Nepal. | Kathmandu, Nepal
Jan. 2022 - Mar. 2022 |
| Entegra Sources
<i>Mechanical Design Engineer</i> <ul style="list-style-type: none">Designed and simulated mechanical parts in SolidWorks and CATIA meeting clients' needs.Simulated each design in Ansys software including structural, thermal, and CFD analysis. | Kathmandu, Nepal
July 2021 - Dec. 2021 |
| Princeton Smart Engineers
<i>HVAC Design Engineer</i> <ul style="list-style-type: none">Calculated Heat load using the manual method, E20 form, and HAP4.9.Performed duct sizing, ducting design, and drafting using HAP, Duct sizer, and AutoCAD. | Bangalore, India
July 2020 - Aug. 2020 |

Teaching Experience

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| Star Institute & Team Shireto
<i>SolidWorks Trainer</i> <ul style="list-style-type: none">Trained 200+ engineering students and graduates on using SolidWorks from basic to advanced.Taught product design and its development process using real-world product examples. | Kathmandu, Nepal
Mar. 2021 – Aug. 2022 |
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Leadership and Volunteering Experience

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| Aspire Institute, Harvard University
<i>Finalist and Alumni</i> <ul style="list-style-type: none">Made to the top 200 of the Aspire Leaders Program 2022 cohort out of 7500+ applicants from 104 countries and engaged in immersive learning and leadership opportunities with other leaders.Won mini-grant as a part of Extended Leadership Opportunities for academic development. | Aspire Leaders Program
Mar. 2022 – Aug. 2022 |
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Team Askra

Vice-Captain

Dr. Ambedkar Institute of Technology

Dec. 2017 - Jul. 2021

- Led various projects since the first year including the Go-Kart contest, Bharath Formula Carting.
- Organized industrial visit programs and college events for the growth of students.

Viswa Niketan Innovative Club

Founding President

Viswa Niketan Secondary School

Jul. 2016 – Aug. 2017

- Founded a science club of 15 members to create opportunities and provide a platform for students.
- Organized and managed different extracurricular activities and Science Exhibition programs.

Better Dhading Campaign

Core Member

Dhading, Nepal

Apr. 2014 – Sept. 2016

- Provided free lunch and water to 200+ children, & free water for a month to the earthquake victims.
- Distributed relief materials including food items, clothes, and tents to the victims of the 2015 earthquake in different villages of Dhading and Chautara, Sindhupalchowk.
- Conducted a "We Teach" campaign and donated stationary materials to 2500+ earthquake victims.

Child Unity

Founding Secretary

Dhading, Nepal

Jan. 2012 – Jan. 2014

- Organized personality development programs, career guidance programs, and volunteering work.
- Advocated for the rights of child clubs by helping several child clubs to ensure financial help that comes to them from the government body.

Yuwalaya, UNICEF

Community Volunteer

Dhading, Nepal

Jun. 2015 – Aug. 2015

- Organized community workshops to educate the public on sanitation with the aid of UNICEF.
- Conducted an awareness campaign among rural people in 5 village committees of the district and provided medicinal kits impacting the lives of 1000+ people including children and pregnant women.

Specialization Courses

Post Graduate Program in CAD, SKILL-LYNC

Sept. 2020 - Present

Plastic Part Design Series, I GET IT, TATA Technologies

Nov. 2020

CAD and Digital Manufacturing Specialization, Coursera

Sept. 2020 - Nov. 2020

Skills

Software Packages: **SOLIDWORKS, CATIA V5, NX 12, Ansys, MATLAB**

Other Skills: **Sketching, Communication, Leadership, Team working, Video Editing**

Achievements

- First **CSWE** Certified (Certified SolidWorks Expert – Mechanical Design) in Nepal
- First SolidWorks Champion in Nepal

Seminar

Yenching Global Symposium 2022, China

April 2022

- Represented Nepal as a delegate to the YGS 2022 organized by Yenching Academy of Peking University making it to the top 200 out of 9,000+ applicants.
- Engaged in panel discussions and interactive sessions addressing both China's impact on the world and the influence that the world has on China based on globalization and internationalism.

Project Portfolio: <https://skill-lync.com/profiles/rupesth-shrestha>