



Aditya Amatya | Mechanical Engineer
Sanepa, Kathmandu, Nepal, +9779860304474

PERSONAL PROFILE

An Adaptable and Responsible Mechanical Engineer Fluent in CAD Modelling and Analysis. Skilled in Technical Report Writing on Various Mechanical Projects. Interested in Research and Development and in Product Design through both, Engineering and Reverse Engineering. Passionate about Engineering for Greater Good of Society.

ACADEMIC QUALIFICATIONS

Nov 2015 - Sep 2019	Bachelor in Mechanical Engineering Institute of Engineering, Pulchowk Campus, Lalitpur (72.67%)
2012 - 2014	Higher Secondary Education Board Examination Kanchanjungha Higher Secondary School, Biratnagar (76.04 %)
2000 - 2012	School Leaving Certificate Durga Secondary School, Rajbiraj, Saptari (81.88 %)

WORK EXPERIENCES

Oct 2020 - Current	Entegra Sources Pvt. Ltd., Kathmandu, Nepal Mechanical Designer and Mechanical Report Finalizer; Reviewed and Finalized project report of the client; Prepared 2D and 3D designs of various mechanical components along with its analysis as per client needs.
Dec 2018	Mechanical Internship Intern at Kathmandu Milk Supply Scheme (DDC), Balaju, Kathmandu
Feb 2018	Site Visit at Kaligandaki Hydropower Station Mirmi, Syangja Got Insights about different Components inside the Hydropower Station and learned about Management Structures
2017-2018	Society of Mechanical Engineering Students (SOMES) Human Resource Manager, Organized National Mechanical Exhibition, Various Workshops, Trainings and Talk Programs.
Sep 2018	SolidWorks Crash Course Training Instructor in 10 days Training Workshop of "SolidWorks Crash Course" organized by Department of Mechanical Engineering, Pulchowk Campus
2017-2018	AIESEC Nepal General Member; Organized different Youth Empowering Seminar, Global Village, Interacted o SDGs with different Foreign and Local Youths.

PROJECTS INVOLVED

2019	Design and Test of Search and Rescue Unmanned Aerial Vehicle
2019	Design and Flow Analysis of Forward Curved Centrifugal Impeller
2018	Design and Test of Buoyancy assisted Trash Cleaner
2017	Design and Test of Theo -Jansen Mechanism to replicate the humanoid movement to robot.
2016	Design and Test of Automatic Fire Extinguishing Robot.

PUBLICATIONS

- 2020 Darlami, K., Amatya, A., Kunwar, B., Poudel, S., & Dhakal, U. (2020). “*Design and Analysis of Twin-Vertical-Tailed Fixed-Wing Unmanned Aerial Vehicle*”. *Journal of Automation and Automobile Engineering*, 5(3)

PARTICIPATIONS

- Apr 2019 Participant, National Youth Scientists Conference 2019
Dec 2017 Participant, National Conference on Youth and Sustainable Development Goals

AWARDS AND RECOGNITIONS

- 2018 Best Application Award (BE Mechanical Design Competition MechTRIX 8.0)
Awarded for Buoyancy Assisted trash cleaner Project
2016 Title Winner (BE Mechanical Design Competition MechTRIX 7.0)
Awarded for Automatic fire Extinguishing Robot

SKILL SET EXPERTISE

JOB ORIENTED SKILL

2D and 3D Design and Modelling	Good command over SolidWorks, CATIA and AutoCAD
Simulation Tools	Good Command over ANSYS (Structural, Modal, Thermal, Rigid Dynamics, CFD)
Mathematical Tools	Good command over MATLAB and Mathematica for Mathematical Analysis
Kinematic Analysis	Fluent in GIM and Linkage
Aircraft Design and Analysis Tool	XFLR5
Technical Report Writing Skill	Command over MS Package and Latex
Fabrication and Machining Skills	Can Operate on Lathe, Milling Machine and other Mechanical Machine and tools
Front End Web Development	Intermediate in HTML, CSS and JavaScript
Programming Skills	Intermediate in C and Python





MANAGERIAL SKILL

Project Management | Team work | Time Management | Excellent Communication skills | Goal Oriented | Problem Solving |

LANGUAGES

English	Fluent in English Speaking and Writing
Japanese	N4 and N5 Completed
Nepali & Maithili	Native Speaker
Hindi	Easily Comprehensible

REFERENCES

KAMAL DARLAMI Assistant Professor  IOE, Pulchowk Campus, Lalitpur  darlami.kd@pcampus.edu.np	SANJAY NEUPANE Assistant Professor  IOE, Pulchowk Campus, Lalitpur  thasanjaya@gmail.com
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