

SULAV PARAJULI

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Summary

Highly motivated, determined and hardworking, result-oriented individual with the outstanding academic record, proven competitive excellence and professional experience of working in engineering projects, providing simple yet innovative, inhouse contextual solutions.



Work Experience

NEA Engineering Company Limited

Thapathali, Kathmandu, Nepal

Government owned institution providing engineering solutions for development of energy sector.

Officer -Mechanical Engineer

(July 2020 – Present)

- Construction Supervision Work and Mechanical Design Document Review for on-grid 25MW solar power plant at Bidur, Nuwakot.
- Design and Simulation of turbines and bifurcations for hydropower projects with capacity greater than 500MW.
- Detail Engineering Study and Construction Supervision Works for Rehabilitation and Modernization of hydropower with capacity greater than 10MW.
- Desk Study Works for Construction of Pump Storage Power Plant (100MW) at Kulekhani, Makwanpur.

Surya Nepal Private Limited

Simara, Bara, Nepal

Intern -Mechanical Engineer

(September 2018 to November 2018)

- Design overhead conveyor system to merge two cigarette outer making stations to common packaging station.

Education

Tribhuvan University, Institute of Engineering (IoE), Pulchowk Campus, Department of Mechanical and Aerospace Engineering (2015 to 2019) –*Graduated with aggregate score of 86.06%.*

- National level IoE entrance exam rank 7th, Full time scholarship for undergraduate studies.
- Best Application Award winner for Design of Buoyancy Assisted Floating Trash Collector, MechTrix 8.0: 8th National level Mechanical Engineering Exhibition organized by SOMES.
- Ranked 2nd for Research grant from National Youth Council to Study production of thin bioplastic polymer as self-cleaning cover for solar panels, 2019.
- Recipient of Ncell Excellence Award for IoE Students, 2020.
- University Topper, Bachelor in Mechanical Engineering, Batch 2015, Tribhuvan University.
- Recipient of Department Gold Medal for 1st Rank in Bachelor in Mechanical Engineering, Batch 2015.

Capital Higher Secondary School, High School Degree of Science (2013 to 2015) –*Graduated with aggregate score of 85.3%.*

- Full time Merit Scholarship offered by High School for first year academic performance.

Other

Languages : Nepali, English, Hindi.

Interests : Mechanical System Design, CFD, Energy Science, Mathematics, and Material Science.

Publications : “A Study of Optimization of Aircraft Separation using the Time-Based Separation at Tribhuvan International Airport” *published in World Academic Journal of Engineering Sciences.*

“Design and Simulation of Francis Turbine Runner for Betan Karnali Hydroelectric Project for Original and Reduced Head Condition” *selected for publication in 10th IoE Graduate Conference.*

“System Design and Simulation” ISBN- 978-9937-0-9317-0, E-book available online.

Student Society:

- Program Coordinator, IScen-18, 1st International Symposium on Control-, Energy- and Nano- Engineering.
- Volunteer Mentorship, 7 days ANSYS Simulation Workshop for undergraduates organized by SOMES.