

Pawan Subedi

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EDUCATION

Institute of Engineering Pulchowk Campus

Bachelor of Engineering in Mechanical Engineering

- Graduated in the top 10% of the class

Kathmandu, Nepal

Nov. 2013 – Sept. 2017

Goldengate Higher Secondary School

Science (PCM)

- Graduated in the top 1% of the class

Kathmandu, Nepal

June 2011 – May 2013

EXPERIENCE

Programmer

Hash Technologies Ltd.

- Completed 82 hours long "Python programmer" track under DataCamp
- Working as a backend trainee developer for the project "sambriddha Nepal"

April 2021 – Present

Biratnagar, Nepal

Swimming pool Mechanical Service Engineer

ATC Pvt. Ltd.

- Preparing technical and financial proposals for prospective projects related to swimming pool, SPA, water pumps for solar water heating systems and mechanized irrigation system.
- Liaising with clients, costumers, consultants, architects and contractors.
- Design and Development of MEP systems for the projects. Preparing detailed shop drawings based on technical design using AutoCAD, Solid works.
- Planning, scheduling and executing the projects and managing the resources, man, machine material. Resolving design and development problems including scheduled maintenance and repairs of installed systems. Preparing and presenting report on progress of projects.
- Completed and handed the major swimming pool projects including that of Hotel Marriott, Hotel Aloft, Nepalgunj Sports complex.

October 2017 – November 2019

Kathmandu, Nepal

Internship

Alternative Energy Promotion Centre

- Working as a mechanical engineering intern under the solar energy department for thirty days.

2017

Kathmandu, Nepal

HONOR & AWARD

Honors

- * 29th rank among 13000+ applicants in the IOE entrance examination
- * SLC School Topper securing highest percentage in the school – 89.13%

Awards

- * Full Scholarship at IOE Pulchowk Campus for four years of mechanical engineering.
- * Awarded Indian embassy scholarship to study BE (Mechanical) in India
- * Mahatma Gandhi scholarship awarded by Indian Embassy for outstanding high school students
- * "BE first year Innovation Design Award", RC Plane Fabrication, 5th National Mechanical Exhibition, SOMES, February, 2014, IOE Pulchowk Campus

PROJECTS

Design, fabrication and Testing of inclined Car Parking Lift mechanism.

- * The design and mechanism is installed at Swis International Hotel Sarovar, Pokhara.
- * Main aim was to solve the existing high slope problem at the paring area with limited space.

2016 – 2017

CAD Design and fabrication of Hybrid Go-Kart.

- * Performed with group of seven members which was successfully tested at Pulchowk campus.

2015

TECHNICAL SKILLS

Mechanical Tools

CAD Tools: Solid Works, Auto CAD, CATIA V5

Simulation Tools: ANSYS Mechanical APDL, ANSYS fluent

Development Tools: MATLAB, Maple

Aerodynamic and Flow Analysis Tools: XFLR, ONX

Others: Microsoft Office, Microsoft Excel,

Programming Skills

Languages: Python, C, Javascript

Frameworks: TensorFlow

Web Development Tools: Django

Developer Tools: Git, PyCharm, Jupyter, MATLAB

Cloud: AWS (Compute, Storage), Azure (Compute, Databricks)

Database: MySQL

Academic Writing Tool: LaTeX

Libraries: pandas, NumPy, Matplotlib, seaborn, keras, SciPy, ggplot

PROFESSIONAL MEMBERSHIP

Nepal Engineering Council

Nepal Engineer's Association

Society of Mechanical Engineering Students, Nepal

REFERENCES

References available upon request.