

SANDIP KUMAR RAUT

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 Mid-Baneshwor, Kathmandu, Nepal (44600)

 LinkedIn

 GitHub

 Portfolio

CAREER OBJECTIVE

Motivated Mechanical Engineering student with strong skills in CAD design, ANSYS simulation, and technical problem-solving, seeking to contribute to construction, MEP, and infrastructure projects. Committed to supporting project teams through precise engineering analysis, project documentation, and disciplined execution while continuously advancing my expertise in mechanical systems, automation, and modern engineering tools.

TECHNICAL SKILLS

Mechanical Design Software

: Solidworks, Autodesk Fusion 360, Autodesk AutoCAD

Simulation & Analysis

: ANSYS (CFD – Intermediate), Engineering Calculations

Programming & Scripting

: Python, C Programming, HTML, CSS, JavaScript (Basic)

Engineering Tools & Platforms

: Arduino IDE, Basic Electronic Prototyping

Productivity & Documentation Tools

: MS Word, MS Excel, MS PowerPoint, Windows Boot

SOFT SKILLS

- Strong analytical and problem-solving ability for construction and MEP engineering tasks.
- Effective teamwork and communication with experience in coordinating technical groups.
- Quick learner of engineering software and tools with high accuracy in design, simulation, and documentation.

PROJECTS

Torsion analysis of non-circular shaft in ANSYS.

Performed simulation to study stress distribution and deformation, improving understanding of real-world component behavior.

Tactile Navigation Map for Visually Impaired (ADB Makeathon)

Designed a tactile map representing Sundhara–Jamal–SahidGate–Law Campus area using scaled dot representation. Responsible for layout design, prototyping, and teamwork coordination.

Personal Portfolio Website

Developed and deployed a personal website using HTML, CSS, JavaScript. Improved UI/UX, added animations, and hosted using personal domain.

ACHIEVEMENTS

- Got certification from “Assistive Device Makeathon” organized by ADB & JFPR.
- Secured 1st position in debate competition organized by **Community Family Welfare Association (CFWA)**.

EDUCATION

LEVEL	YEAR	INSTITUTION	GPA
Mechanical Engineering	Dec 2023 – Present	IOE – Thapathali Engineering Campus, Kathmandu	-
NEB – Class 12	2022	GoldenGate International Secondary School, Kathmandu	3.34
NEB – Class 10	2020	Janata Ma Vi, Bharatpur Khor, Mahottari	3.85

PERSONAL DETAILS

Date of Birth

: 19th July, 2003

Language

: English, Nepali & Maithili

Interest

: Playing cricket & Travelling