Anish Panthi

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PROFESSIONAL SUMMARY

Industrial Engineering undergraduate at Tribhuvan University seeking an 8th-semester internship in HVAC/MEP engineering. Intermediate in AutoCAD and Microsoft Excel, with working knowledge of SolidWorks and foundational knowledge of refrigeration, HVAC systems, and psychrometrics. Experience in 3D product design, technical documentation, research coordination, and engineering student leadership. Eager to apply engineering fundamentals and develop practical skills in building services design.

EDUCATION

Tribhuvan University

Institute Of Engineering, Thapathali Campus Expected Completion: April 2027

Bachelor's in Industrial Engineering | Batch 2079 BS

Relevant Coursework: Refrigeration & HVAC System Design, Heat and Mass Transfer, Fundamental Thermodynamics, Fluid Mechanics and Machines, Computer-Aided Drawing (CAD), Electrical Machines, and Energy, Power and Technology.

TECHNICAL SKILLS

- **CAD & Design:** AutoCAD (Intermediate), SolidWorks (Intermediate), AutoCAD MEP (Basic)
- **Engineering Analysis:** ANSYS (Intermediate)
- **Data & Productivity:** Microsoft Excel (Advanced), Microsoft Office
- **HVAC/MEP Fundamentals:** Refrigeration and HVAC coursework, basic psychrometrics
- **Additional Tools:** Adobe InDesign, website development

ENGINEERING PROJECTS

Design, Optimization, and Experimental Validation of a Novel Omni-Directional Spherical Wind Turbine for Urban Energy | Ongoing Research

- Developed the overall 3D design of an omnidirectional spherical wind turbine for urban energy applications.
- Contributing to the design phase of a research project focused on turbine optimization and experimental validation.

LEADERSHIP & PROJECT COORDINATION

Society of Industrial Engineering Students – Nepal (SOIES Nepal)

President | Aug 2025 – Aug 2026

- Led the 18th Executive Committee and coordinated 15+ academic, technical, research, and industry-oriented programs.
- Coordinated *Industrial Vision Vol. 11* (ISSN 2392-4330), the annual publication, overseeing editorial direction, interviews, sponsorships, reviews, and InDesign layout.
- Rebuilt the organization's website using Next.js and Sanity CMS, creating an editable content management platform for future committees.
- Facilitated industry–academia engagement, including an MOU between Nebico Limited and the Department of Industrial Engineering, and presented a research partnership proposal to the National Planning Commission.

Joint Secretary | Jul 2024 – Aug 2025

Gulmi Arghakhanchi Palpa Students Society (GAP)

President | Jun 2025 – Aug 2025

- Coordinated student and cultural activities, including a hiking program, an esports tournament, and a college cultural gathering.

PUBLICATION

Industrial Vision Vol. 11 — *Systemic Excellence: Designing Agile Industries*
Editorial and publication coordination | 2026
ISSN: 2392-4330 | SOIES Nepal Magazine.

INDUSTRIAL EXPOSURE

Educational and personal industrial visits to Asian Paints, DDC, Marsyangdi Hydropower, Sujal Dairy, Yak Brewing Company, and Shivam Cement, including observation of cement grinding and vertical roller mill (VRM) operations.

RELEVANT TRAINING AND WORKSHOPS

- SolidWorks Workshop | 2024
- ANSYS Workshop |2026
- Microsoft Office Training |2024
- Artificial Intelligence and Machine Learning (AI/ML) Workshop | 2024