

BIDUSI KHADKA

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EDUCATION

Bachelor of Engineering in Industrial Engineering (6th Semester Topper)

December 2019

Thapathali Campus, Institute of Engineering, Tribhuvan University, Kathmandu, Nepal

- **Papers (Unpublished):** A Seminar paper on "*Prospects of Fault Tree Analysis to Reduce Production Defects*"
- **Project:** *Designed, fabricated, and tested a biogas digester with solar water heater*
- **Relevant Courses:** Engineering Mathematics I,II & III, Probability and Statistics, Finite Element Method, C Programming, Operations Research

EXPERIENCE

Comai Co. Ltd, Kouyaguchi, Hashimoto, Wakayama, Japan

July 2021 - May 2023

Design Engineer, Sales Department

- Obtained, analyzed and visualized ecommerce sales data, competitor's price data and company's cost data for around 100 products, optimized sales performance and marketing strategy.
- Mentored a team of 5 in data analysis, product visualization, and social media management, insourcing previously outsourced tasks, leading to monthly outsourcing cost reduction of approximately ¥150,000
- Aided clients in product visualization through 2D designs, 3D rendering and animation of products, web-based AR modelling, graphics design and video creation.
- Updated the ecommerce websites with latest information and visuals by utilizing HTML, CSS, and JavaScript, improving the quality of content in our web-based platforms

Entegra Sources, Baneshwor, Kathmandu, Nepal

June-October 2020

Technical Writer

- Systematically organized technical information into tables, transformed data into graphical representations with charts and illustrations, and succinctly explained data insights.
- Authored technical documents by reviewing literature on designated research topics, adhering to client and senior team guidelines, raising content quality while consistently producing approximately 30 pages daily

Chaudhary Group Food Park, Lalitpur, Nepal

May-August 2019

Engineering Intern, Maintenance Department

- Contributed to the digitalization of machine parts by documenting 326 machine parts across 5 sections and drafting drawings for over 10 components, streamlining spare parts ordering
- Analyzed causes of packaging material waste, diagnosing the major cause responsible for 53% of the waste

VOLUNTEERING

Class Representative, Class of 2015, DOIE; IOE Thapathali Campus

2015-2019

Applied Mechanics Course Instructor, GAP, IOE Thapathali Campus, Nepal

2019

Editor of Industrial Vision 4.0 & 5.0, Society of Industrial Engineering Students Nepal

2017-2018

SKILLS

Technical Skills: Python, Tensorflow, AutoCAD, Solidworks, ANSYS, HTML, CSS, JS; C, Graphics Design, AR, Blender

Other Skills: Inquisitive, Creativity, Collaborative, Continuous Improvement, Integrity, Adaptability, Intercultural Sensitivity. Public Speaking

ADDITIONAL INFORMATION

GRE: Quantitative: 166, Verbal: 158, AWA: 4

TOEFL: Reading: 29, Listening: 29, Speaking: 30, Writing: 27

Languages: English (Excellent), Nepali (Excellent), Hindi (Intermediate), Japanese (N4 level)