

Sojan Prajapati

I am an accomplished professional with experience in entrepreneurship, digital consulting, and engineering research. I have a track record of successfully founding and leading innovative initiatives and thrive in dynamic and fast-paced environments. I am committed to driving results through collaboration and innovation.

University Education

Master of Science in Power Engineering, Technical University of Munich, Germany – Graduated in 2020

Bachelor's in Mechanical Engineering, Kathmandu University, Nepal – Graduated in 2015

Professional Work Experience

Chief Executive Officer, Digital Mantras, Kathmandu

April 1, 2023 – current

- Established and led digital consulting company, and managing a team of 12 full-time employees within the first year of operation.
- Developed and implemented a strategic vision for the company that resulted in increased brand recognition and customer satisfaction.
- Spearheaded the creation of new partnerships with key industry players, resulting in increased revenue and business growth.

Head of Center for Entrepreneurship, Nutan Research and Innovation Center, Kathmandu

June 1, 2022 – current

- Founded and led the development of the center with the fundamental goal of bridging the gap between industry and academia.
- Leading a team of 30+ students and 5 full-time employees, with 3 startups under incubation
- Brought in over 10 national industry partnerships, including with companies such as Worldlink, eSewa, and Nepal Bank and collaborated with 5 international universities to bring in internationalization and growth opportunities for the students.

Research Assistant at Technical University of Munich, Munich

June 1, 2022 – current

- Conducted mathematical modeling of large-scale wind turbines to optimize their design using CP-LAMBDA.
- Analyzed data and performed statistical analysis to provide insights for design improvements.
- Collaborated with a team of engineers to develop and implement new solutions for wind turbine design optimization.

Working Student at Boston Consulting Group (BCG), Munich

June 1, 2022 – current

- Conducted comprehensive global research to enrich knowledge sources and enhance the capabilities of Infrastructure and Construction Management teams
- Provided critical support to the Gamma global team through data analytics and optimized internal projects using industry-leading tools, such as Alteryx and Tableau
- Demonstrated exceptional collaboration and communication skills while working closely with team members and stakeholders at all levels of the organization.

Maintenance Engineer at Shreeram Cement Industry/Udaypur Cement Industry

June 1, 2022 – current

- Reduced specific thermal energy consumption by 2% and specific electrical energy consumption by 1% through optimization techniques.
- Implemented predictive maintenance strategies, reducing unplanned downtime by 15% and increasing machine availability by 10%.

Other Projects

- Research Fellowship at the Open Institute to develop video tutorial series in Nepal explaining basic statistics and analyzing it using R
- Active member of WARR (Wissenschaftliche Arbeitsgemeinschaft für Raketentechnik und Raumfahrt), and participated in Japanese Space Elevator Competition held on August 2019 at Japan
- Active member of TU eMpower Africa e.V, and visited Zimbabwe on July 2019 for implementation of biogas project

Awards

- Greenovation Start-up Challenge 2016 winner, organized by World Wide Fund
 - a) Development of Gasification based stove for rural areas in Nepal
 - b) Minimum viable product (MVP) development
<http://www.myrepublica.com/news/11212>

Special Skills and Interests

Languages:	English (IELTS 7.5), Nepali, Hindi, Newari, German (B1)
Computer skills:	MATLAB (Intermediate), R (Intermediate), Alteryx (Intermediate), Tableau (Intermediate) ANSYS (Intermediate), MS excel (Professional), MS PowerPoint (Professional)

References

Prof. Dr. Durga Prasad Sangroula
Principal
Advanced College of Engineering and Management
Kathmandu, Nepal
durga.sangroula@acem.edu.np

Dipl.-Ing. (Univ.) Johannes Winklmaier
Research Associate
Chair of Renewable and Sustainable Energy
Garching, Germany
johannes.winklmaier@tum.de