

Rodashi Panta

+14705953940 | rodashipanta@gmail.com | pantar@purdue.edu | <https://www.linkedin.com/in/rodashi-panta/> | <https://rodashipanta.com.np/>

PROFESSIONAL EXPERIENCE

Tesla Energy

Fremont, CA

Program Manager Intern | Residential Energy

May 2025 – Dec 2025

- Designed and automated standardized ops workflows across 4 teams, improving service SLA efficiency by 15% and saving 200+ hours/quarter
- Partnered with software engineering team to test and enhance internal products and launched 3 new features, boosting team productivity by 18%
- Streamlined a structured pathway by optimizing the diagnosis of different correction codes and automating the steps to reduce the diagnosis time by 15% for the field service team
- Redesigned Service Ops Support escalation workflows, cutting resolution time by 45% through automation and streamlined processes definition
- Collaborated with field service, and operations team to incorporate feedback into process design, improving usability and driving adoption

Eos Energy Enterprise

Pittsburgh, PA

Supply Chain Analyst Intern | Global Supply Chain

Dec 2024 – April 2025

- Analyzed procurement data to create a supplier performance matrix, achieving a 5% reduction in expenses, providing valuable insights for supplier relationship management and RFQ processes
- Designed and maintained dashboards with procurement metrics to monitor bottlenecks and improve decision-making analyzing supplier performance
- Developed an optimized workflow matrix for the procurement team to improve the procurement cycle time, hence reducing the lead times by 10%

Energy System Research Lab

Kathmandu, Nepal

Optimization Analyst | National Electricity Authority

Mar 2022 - Dec 2023

- Utilized Python and Google OR-Tools to create an optimized EV charging station placement model, achieving a 3% cost reduction
- Applied data analytics to develop a dynamic traffic model adjusting traffic density in real-time enhancing efficiency by 15% and reducing wait times
- Coordinated with urban planners and electrical engineers to integrate charging infrastructure in urban environments improving efficiency by 12%

Saral Urja

Kathmandu, Nepal

Product Design Engineer Intern | Renewable Energy Engineering

Mar 2021 – July 2021

- Designed optimized solar panel layouts using AutoCAD and PVSyst for commercial buildings, reducing energy consumption costs by 2.5% annually
- Designed solutions for solar panel distribution networks and conducted a feasibility study, enhancing access to electricity in rural regions by 40%

PROJECT EXPERIENCE

The Data Mine - Purdue University

West Lafayette, IN

Technical Program Manager | Bell Flight

Jan 2026 – Present

- Leading development of kit-installation IE standards by analyzing historical run times, aircraft models, SKUs and defining benchmark labor hours
- Building forecasting matrix that estimates planned hours within defined variance for scheduling, budgeting, and pricing to increase accuracy by 10%

Technical Program Manager | BAE Systems

Aug 2024 – Dec 2024

- Led a 15-member cross-functional team to enhance aircraft spare parts supply chain performance by leveraging advanced exploratory data analysis and predictive modeling, improving sales forecast accuracy by 20% enabling better availability planning and reduced stockout risk
- Utilized machine learning algorithms and a test-train approach to predict unit sales, gaining 15% improvement in both model accuracy and reliability

Product Manager | Blue Wave AI Labs

Jan 2024 – April 2024

- Managed a team using Agile methodologies to develop an LLM chatbot to automate nuclear energy proposals, increasing their productivity by 20%
- Employed risk management strategies, risk registers, and mitigation tactics, to ensure the timely delivery of project milestones with 20% efficiency

Implementation of Reweighted Models for Robust-Deep-Learning

Jan 2024 - April 2024

- Utilized machine learning to improve CNN training with class reweighting, achieving 96% accuracy on imbalanced datasets (200:1) with 25% noise
- Applied data analytics to enhance VAR foul detection accuracy by 30% on noisy datasets while reducing computational overhead during processing

EDUCATION

Purdue University

West Lafayette, IN, USA

Masters in Engineering Management (MEM), Professional Practice in Industrial Engineering

Jan 2024 - Present

Thapathali Institute of Engineering

Kathmandu, Nepal

Bachelor of Engineering (BE), Mechanical Engineering

Jan 2018 - June 2022

SKILLS

Quantitative: Machine Learning, Statistical Modelling, Linear programming, Regression Analysis, Montecarlo Simulation, Risk Analysis, Forecasting

Technical: LLM, SQL, Python, JavaScript, SolidWorks, ANSYS, CATIA, AutoCAD

Competencies: Agile Methodologies, Kanban, Jira, Ms-Project, Project Management, Request for Quotation (RFQ), Supplier Management