Liliana Becerril Tapia

Estado de México, México | lbecerriltap@gmail.com | 55 3995 1893 |

belita-lili.github.io/Belita-Lili-Portafolio/#portfolio

linkedin.com/in/www.linkedin.com/in/liliana-beta | github.com/github.com/Belita-Lili

Professional Profile

Energy Engineer with expertise in energy efficiency, electronobility, and renewable energy systems. Proven track record in data analysis, photovoltaic project design, and energy optimization. Passionate about developing sustainable solutions and integrating advanced technologies to improve energy performance.

Education

UPIITA-IPN, BS in Energy Engineering – Ciudad de México, México   Sept 2018 – June 2022
8.47-10

IBERO-Puebla, Dipl in Electronobility – Puebla, México   Apr 2024

Cecyt3 - IPN, Technical Degree in Electrical Control Systems   June 2019

Experience

Intern in Engineering, Diram – San Pedro Garza Garcia, México   June 2024 – Sept 2024
- Reduced electrical losses by 3% through power factor correction via capacitor bank installation.
- Improved grid stability by implementing energy efficiency strategies in industrial facilities.
- Developed technical manuals for training new interns, enhancing understanding of power electronics.

Intern in Engineering, Energyza – Ciudad de México, México   June 2023 – Sept 2023
- Designed photovoltaic projects, optimizing panel distribution and reducing shading impact by 2%.
- Streamlined training processes by creating technical manuals for inverter monitoring.

Projects

Synthesis of Nanocomposites for Photocatalysis   July 2024
CINVESTAV and LSDTC
- Achieved over 90% degradation of dyes like Rhodamine 6G using ZnO@GO nanocomposites.
- Optimized experimental parameters through data analysis, improving photocatalytic efficiency.

Data Analysis of Diabetes Mellitus   2024
ROMAC
- Analyzed historical data to predict patient mortality, identifying key risk factors for diabetes.

Skills

Programming: Python (Data Science, Image Processing), SQL, R, Golang, JavaScript (Angular), HTML/CSS, React

Design & Simulation:: PVsyst, Helioscope, AutoCAD, MATLAB, SolidWorks, Inventor

Soft Skills: Leadership, Teamwork, Problem-solving, Communication

Languages

3. English (B2)

2. Japanese (N4)

1. German (A2)

Courses & Certifications

1. Professional en Data Science: DEVF
2. Google Data Analytics Certificate: Coursera
3. Specialization in BackEnd Development: Alura Latam
4. Fundamentals of the Electrical Industry: Udemy

Extracurricular Activities

- Biomimetic Robotics Competition (2022): Designed and built a robot inspired by octopus arm movement.
- Impact Startup Competition (2023): Developed the Müllblue project to reduce food waste.

Networking & Industry Engagement

Participated in IEEE: Workshops and conferences, enhancing technical and leadership skills