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Soumyadeep Patra

Bachelor of Electrical Engineering, Jadavpur University

My Projects

✓ MPP Implementation:

- ❖ **Intercompany Reconciliation** : Implemented for one of the biggest fertilizer companies and a manufacturing company in Middle East. The automation includes downloading and reading BS and PL reports (Excel files). Once the download is complete, the reports get standardized (all unnecessary things e.g. labels get removed) and filtered (this filtered file keeps records of only those where there is some imbalance in the reconciliation between two organizations i.e. the entity and the partner).
- ❖ **Conflict of Interest** : Created a power canvas app that includes 1) an annual declaration form that users will declare if they have a conflict of interest & 2) A form where users can declare if a conflict throughout the year.

✓ MPP Consultant:

- ❖ Worked as part of the MPP delivery team. My experience includes understanding the client needs and providing appropriate technical guidance to solve client need's by developing in MPP.

✓ Improved Control of Prosthetic Fingers Using Surface Electromyogram Signals – Under Guidance of Prof. Amitava Chatterjee, Jadavpur University

Research Experience

- ✓ **Summer Intern at IIT KGP (May 2020-August 2020) Under Supervision of Dr. Aurobindo Routray.**
- ❖ Implemented Optimization Algorithms like Adam, Rmsprop and Adagrad to estimate parameters such as Amplitude, Frequency, Phase angle in Underground Cable Transients

Education

- ❖ 10th WBBSE (2014) : Passed from Bankura Christian Collegiate School, Bankura with 95.3%
- ❖ 12th WBCHSE(2016) :Passed from Bankura Banga Vidyalaya with 90.6%
- ❖ BE in Electrical Engineering from Jadavpur University, Average GPA-9.25

Position

- ❖ Consultant III at Protiviti India

Publications

- ❖ “Fault Analysis in Underground Cable Using Stochastic Optimization”, Accepted at IECON 2021

Languages Known

- ❖ Python
- ❖ SQL
- ❖ MATLAB
- ❖ C
- ❖ Tensorflow

Academic Courses

- ❖ Digital Signal Processing(NPTEL)
- ❖ Certification Course in C (NIELIT)
- ❖ Improving Deep Neural Networks- Hyperparameter Tuning, Regularization and optimization

Other Achievements

- ❖ **Rank 14** in the Secondary Examinations 2014 in West Bengal
- ❖ Former Event Lead at “**Circuistic**”, “**Convolution**”, Tech Fest of JUEE