Swapnil Jha

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EDUCATION

Guru Gobind Singh Indraprastha Universtiy New Delhi, India
Bachelor of Technology; GPA: 8.0 *August 2018 - June 2022*

SKILLS SUMMARY

- **Coding**: Python, SQL, R, JAVA
- **Frameworks**: Scikit, XGBC, NumPy, TensorFlow, Keras
- **Tools used**: Alteryx Designer, Git, MySQL, Microsoft Excel, Google BigQuery
- **Platforms**: Linux, Web, Windows, AWS, GCP, Azure ML
- **Soft Skills**: Leadership, Event Management, Writing, Public Speaking, Time Management
- **Languages**: English (C2), Hindi (B2), German (A1), Maithili (A1)

EXPERIENCE

Padhakku.com Remote
Machine Learning Intern (Part-time, Contractual) *Mar 2021 - Jul 2021*
- ○ **Search Platform Implementation**: Research and Testing of different AWS products like AWS ElasticSearch and AWS CloudSearch to implement on the platform.
- ○ **Team Communication**: Communicating with the web development team about the research findings and tips on implementation.

CETPA Infotech Pvt. Ltd. Noida, Uttar Pradesh
Machine Learning Intern (Part-time, Internship) *Jun 2019 - July 2019*
- ○ **Project Course - Real-Time Sentiment Analysis**: Created a project based on "Real-Time Sentiment Analysis with Tweepy and RegEx in Python" using Supervised learning and Natural Language Processing.
- ○ **Data Manipulation**: Working with different types of data cleaning and data manipulation techniques in the SDLC of end-to-end Machine Learning Project.
- ○ **Impact**: Trained and supervised 5 interns and managed other clerical jobs.

PROJECTS

- **Detection of Ligament Rupture using Machine Learning on PyTorch**: Trained and compared different convolutional neural networks to detect the tear in the Anterior Cruciate Ligament on the MRNet Dataset published by Stanford ML Group. AlexNet based CNN performed with an AUC of 0.87. Tech: Python3, Azure ML, PyTorch, Tensorboard, Data Augmentation, GPU. (May '22)

- **Forecasting the Future Power Consumption of Germany in Alteryx Designer using LSTM, SARIMA, & ETS**: Tech: Python3, ETS, SARIMA, LSTM, Alteryx Designer, ENTSO-E Transparency Platform Dataset. (February '22)

- **A/B Testing a New Product Launch in Alteryx**: Tech: Alteryx Designer, Interpreting Test Results, Experiment Control, Statistical Sampling, and A/B Testing. (October '21)

- **Predicting Default Credit Risk for Bank Customers in Alteryx**: Tech: Classification Modeling, Binary Classifiers, Non-binary Classifiers, Decision Trees, Logistic Regression, Model Interpretation, Stepwise Regression, Model Scoring, Random Forest Models, and Gradient BoostingPython. (August '21)

- **Predicting Catalog Demand Skills with multiple Linear Regression**: Tech: - Analytic Frameworks, Data Analysis Business Context, Analytic Methodology Maps, CRISP-DM, Linear Regression, and Regression Modeling. (April '21)

HONORS AND AWARDS

- TOEFL Score 120/120 - April, 2022
- Bertelsmann Technology Scholarship Winner 2022 - March, 2022
- Eli Lilly Data Scientist Hackathon Challenge Finalist - December, 2021
- GRE Score 316/340 - March, 2021
- Bertelsmann Technology Scholarship Winner 2021 - March, 2021

CERTIFICATIONS AND TRAINING

Machine Learning with Tensorflow Nanodegree Udacity
Funded by Bertelsmann Education Group *March 2022 - Present*

Predictive Analytics for Business Nanodegree Udacity
Funded by Bertelsmann Education Group *March 2021 - November 2021*

CONFERENCES AND SEMINARS

- **Google I/O Extended 2022**: Invited by Google at the Google Signature Towers, Delhi NCR, India (June '22)
- **GitHub Graduation 2022**: Invited by GitHub at Microsoft, Cybercity, Delhi NCR, India (June '22)
- **TEDxMSIT 2019**: Part of organizing committee at the MSIT, New Delhi, India (March '19)