

Srinath Nanduri

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EDUCATION

Data Science Bootcamp, Jovian ([View](#))

Mar 2022 - Oct 2022

Courses: Python Programming, Statistics, Data Analysis & Visualization, Machine Learning, SQL & Analytics

Highlights: 600+ hours of coursework, 10 coding assignments, 3 projects (Web scraping, EDA, ML)

University of British Columbia, Kelowna, BC, Canada

2015 - 2020

Bachelor of Applied Sciences - Electrical Engineering

Courses: Probability and Statistics, Professional Communication, Calculus 1 - 3, Problem Solving skills

Highlights: Top 5 in the class, Winner - Best Project Award (data mining)

SKILLS & CERTIFICATIONS

Online Courses: Learn Python Programming Masterclass ([View](#))

Skills: SQL, Presentation, Numpy, Pandas, Python, Excel, Tableau, Git, Machine Learning (Scikit-learn, XGBoost, Tensorflow Keras), Matplotlib, Seaborn, Plotly, Jupyter Notebook and Google Colab

PROJECTS ([View](#))

Used Car Price Prediction – Regression ([View](#))

- Used dataset of 426,880 rows and 25 columns to train ML models to predict used car prices
- Performed EDA and extracted 4 features from dataset to improve machine learning performance
- Trained 8 ML models and saw up to 575% improvement in accuracy over simple Mean Value model

Fashion Image Autoencoding and Classification – Image Classification ([View](#))

- Used dataset of 70,000 images to train autoencoding, image classification machine learning models
- Created and trained a **deep convolutional neural network** using the **Keras** library in **Tensorflow**
- Achieved loss of 0.26 in autoencoding and an accuracy of 91% in the image classification test sets

Airplane Delay Prediction - Classification ([View](#))

- Used a dataset of over 1.7 million rows and 31 columns to train ML models to predict airplane delay
- Web scraped for over 90 thousand rows of data for feature engineering to improve model performance
- Trained 8 ML models and tuned hyperparameters to improve model performance and reduce overfitting

WORK EXPERIENCE

Junior Engineer - ZE Power Engineering

Apr 2021 - Feb

2022

- Design replacements and additions for the distribution level electrical system for BC Hydro
- Responsible for over 100 designs replacing electric poles, transformers and conductors
- Trained 4 co-op students in creating designs

Embedded Systems Developer - University of British Columbia

May 2018 - Apr 2019

- Developed multiple prototypes of a system designed to encourage agglutination
- Used SolidWorks and Autodesk Fusion 360 to design multiple prototype models
- Contributed to research for delivering medicine using micro fluids using the process of agglutination