Srinath Nanduri

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**EDUCATION**

**Data Science Bootcamp, Jovian (**[View](https://jovian.ai/nsrinath97)**)** 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](https://www.udemy.com/certificate/UC-1446180e-c610-4659-8824-55914c5142d3/))

**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](https://jovian.ai/aakashns/transfer-learning-human-protein))

**Used Car Price Prediction – Regression** ([View](https://jovian.ai/nsrinath97/used-car-price-prediction-machine-learning-project))

* 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](https://jovian.ai/nsrinath97/fashion-image-autoencoding-and-classification))

* 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](https://jovian.ai/nsrinath97/airplane-delay-prediction-machine-learning-project))

* 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