Shweta Pandey

https://www.linkedin.com/in/shweta7p/
https://www.medium.com/@AItechniques.co/
https://www.hackerrank.com/pandeyshweta976/

E-mail: shwetapandey9207@gmail.com
Mobile: 7899488328, 7840861508

Career Objective:

Data Scientist, near about 3 years of experience with background in computer science and robotics. My two passions are deep learning and programming, I consider myself a developer given my experience creating real world industrial robotic applications and building machine learning solution.

Professional Summary:

- An analytical professional and innovative thinker with experience in using different technologies across different domains including building enterprise products.
- Hands on with deep learning, effective transfer learning and optimization techniques.
- 2.8 years of experience in developing machine learning models such as using deep learning methods for classification.
- experience in Data Preparation, Exploratory Data Analysis, Predictive modeling, Statistics, Machine Learning Techniques
- Work with large, complex data sets; solve difficult, non-routine analysis problems, applying advanced analytical methods as needed.
- Worked with developer team to identify the use cases for machine learning in enterprise product.
- Communicate predictions and findings to Stakeholders through effective data visualizations and reports.

Technical Skills:

Languages	Proficiency in C#/C++, Python, SQL, R
Machine Learning Algorithm	Linear & Logistic Regression, SVM, Decision Tree, Random Forest, Time Series classification, anomaly detection, KNN, Naïve Bayes
Theory	Linear algebra, data structure and algorithm, deep learning, Probability
Framework	Keras, tensorflow, CNTK, visual studio 2015/17, Jupiter Notebook
Library	fastai, numpy, Pandas, Matplotlib, Scipy
Database and Operating Systems	SQLite Database,Windows, Ubuntu 16.04
Statistical Concepts	Descriptive Stats, Inferential Stats, Hypothesis Testing, Distribution

Professional Experience: ABB Innovation Centre (2016-Present)

- **Project : Analytics in industrial Painting Robot:**
  Objective: anomaly detection in time series data of industrial paint robot.
  Tools: SQLite database and Python, SQL, tensorflow

- **Project: Weld Quality Prediction in industrial Arc-Welding Robot**
  Objective: weld quality prediction in time series data of industrial arc-welding robot
  Tools: SQLite database and Python, SQL.

- **Project: Gripper classification based on robot image (research work)**
  Objective: classify the different category of grippers based on robot position
  Tools: python, keras

Couse Projects:

Github: https://www.github.com/bomila/

- Predicting Boston housing price
- Sign Prediction with Resnet 50
- Dog Breed Classification
- Humpback whale classification
- Happy House
- Car Detection using YOLO
- Restaurant food classification

Publications:

- **Proposing an Ex-NOR solution using ANN (May 14, 2016)**
  Category: Best paper award in Paper presentation ICICCT 2016 in Delhi India
  Publisher: Information Communication and Computing Technology (ICICCT-2016)

- **Minimum configuration MLP for solving XOR problem (Oct 31, 2016)**
  Category: Paper presentation at IndiaCom 2016 in Delhi India
  Publisher: IEEE Xplore Digital Library publication

- **Artificial Neural Network Based Inverse Kinematics solution 2-Link Serial Chain Manipulator (Jun 18, 2018)**
  Publisher: Journal of Material Science and Mechanical Engineering (JMSME)

Relevant Certifications:

- Fast.ai deep learning course via international fellowship Oct'18 - Dec'18
  Computer Vision, Language Models, Transfer Learning and Optimization techniques

- Coursera Deep Learning Specialization (part 1 to 4) Mar'28-Oct'18
  Concepts, Applications, Optimization

- EIP 3.0 in-person Fellow at Bangalore Feb- Current
  Eip is research program in the field of machine learning and DNN.

Education:

- **Masters of Technology (M-Tech)** 2016
  Branch: Robotics & Automation
- **Bachelors of Technology (B-Tech)** 2013
  Filed: Computer Science & Engineering