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| SURAJ KUMAR PADHY Associate Software Engineer | Mobile: +91 7978440416 **Email:** [**skp309skp@gmail.com**](mailto:skp309skp@gmail.com) |

# Objective

Seeking a challenging career with a progressive organization in the field of data science, where I can show my skills to the fullest of my potential towards the interests of the organization.

# Experience

**Zyter, CaseNet – Health Care**

* Maintain, debug, and add features to our existing HTML5 / Javascript & Angular applications.
* Assist with ad hoc projects.

**Molina – Health Care**

* Documentation and application testing.

# Projects

**Buy me that look**

* End to End fashion recommendation system. It includes Pose detection, fashion object detection and embedding generation for similar image retrieval using triplet network.
* Trained a custom YOLO based model for fashion object detection and a triplet network for retrieving similar images from the data corpus.
* Deployed the whole pipeline using streamlit. Also, have covered the project in detail in [the blog](https://suraj005.medium.com/buy-me-that-look-bd057a396072) on medium.

**Instacart Market Basket Analysis**

* Built a system where the goal is to predict the product next to be reordered based on purchase history of Instacart’s users.
* Mainly focused on EDA & Feature Engineering, thereafter model selection and hyper parameter tuning has been performed across various ML models. Finally, Catboost model has been selected for its optimum performance.
* Deployment is done using Flask API on AWS. Also, have covered the project in detail in [the blog](https://suraj005.medium.com/instacart-market-basket-analysis-case-study-4ee911e0dd03) on medium.

# Education

**B.Tech. in Computer Science – NIST, Berhampur**

2016 – 2020

CGPA – 8.2

* Relevant Courses: Applied Machine Learning Course by AppliedAI

# Skills

* ML – KNN, Logistic Regression, Linear Regression, SVM, Decision Trees, Ensemble Models, Clustering, Metrics Factorization, PCA, tSNE etc.
* DL – Deep Neural Networks, CNN, LSTM etc.
* Python - Pandas, Numpy, Matplotlib, Scikit Learn, Keras, Tensorflow etc.
* SQL, Data Structures.
* Others - Java, Javascript, Angular.